

EATON VANCE SENIOR FLOATING RATE TRUST

Form N-CSRS

June 26, 2009

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UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Form N-CSR

**CERTIFIED SHAREHOLDER REPORT OF REGISTERED
MANAGEMENT INVESTMENT COMPANIES**

Investment Company Act File Number: 811-21411

Eaton Vance Senior Floating-Rate Trust

(Exact Name of registrant as Specified in Charter)

Two International Place, Boston, Massachusetts 02110

(Address of Principal Executive Offices)

Maureen A. Gemma

Two International Place, Boston, Massachusetts 02110

(Name and Address of Agent for Services)

(617) 482-8260

(registrant's Telephone Number)

October 31

Date of Fiscal Year End

April 30, 2009

Date of Reporting Period

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**IMPORTANT NOTICES REGARDING PRIVACY,
DELIVERY OF SHAREHOLDER DOCUMENTS,
PORTFOLIO HOLDINGS AND PROXY VOTING**

Privacy. The Eaton Vance organization is committed to ensuring your financial privacy. Each of the financial institutions identified below has in effect the following policy (Privacy Policy) with respect to nonpublic personal information about its customers:

Only such information received from you, through application forms or otherwise, and information about your Eaton Vance fund transactions will be collected. This may include information such as name, address, social security number, tax status, account balances and transactions.

None of such information about you (or former customers) will be disclosed to anyone, except as permitted by law (which includes disclosure to employees necessary to service your account). In the normal course of servicing a customer's account, Eaton Vance may share information with unaffiliated third parties that perform various required services such as transfer agents, custodians and broker/dealers.

Policies and procedures (including physical, electronic and procedural safeguards) are in place that are designed to protect the confidentiality of such information.

We reserve the right to change our Privacy Policy at any time upon proper notification to you. Customers may want to review our Policy periodically for changes by accessing the link on our homepage: www.eatonvance.com.

Our pledge of privacy applies to the following entities within the Eaton Vance organization: the Eaton Vance Family of Funds, Eaton Vance Management, Eaton Vance Investment Counsel, Boston Management and Research, and Eaton Vance Distributors, Inc.

In addition, our Privacy Policy only applies to those Eaton Vance customers who are individuals and who have a direct relationship with us. If a customer's account (i.e., fund shares) is held in the name of a third-party financial adviser/broker-dealer, it is likely that only such adviser's privacy policies apply to the customer. This notice supersedes all previously issued privacy disclosures.

For more information about Eaton Vance's Privacy Policy, please call 1-800-262-1122.

Delivery of Shareholder Documents. The Securities and Exchange Commission (the SEC) permits funds to deliver only one copy of shareholder documents, including prospectuses, proxy statements and shareholder reports, to fund investors with multiple accounts at the same residential or post office box address. This practice is often called householding and it helps eliminate duplicate mailings to shareholders.

Eaton Vance, or your financial adviser, may household the mailing of your documents indefinitely unless you instruct Eaton Vance, or your financial adviser, otherwise.

If you would prefer that your Eaton Vance documents not be householded, please contact Eaton Vance at 1-800-262-1122, or contact your financial adviser.

Your instructions that householding not apply to delivery of your Eaton Vance documents will be effective within 30 days of receipt by Eaton Vance or your financial adviser.

Portfolio Holdings. Each Eaton Vance Fund and its underlying Portfolio (if applicable) will file a schedule of its portfolio holdings on Form N-Q with the SEC for the first and third quarters of each fiscal year. The Form N-Q will be available on the Eaton Vance website www.eatonvance.com, by calling Eaton Vance at 1-800-262-1122 or in the EDGAR database on the SEC's website at www.sec.gov. Form N-Q may also be reviewed and copied at the SEC's public reference room in Washington, D.C. (call 1-800-732-0330 for information on the operation of the public reference room).

Proxy Voting. From time to time, funds are required to vote proxies related to the securities held by the funds. The Eaton Vance Funds or their underlying Portfolios (if applicable) vote proxies according to a set of policies and procedures approved by the Funds' and Portfolios' Boards. You may obtain a description of these policies and procedures and information on how the Funds or Portfolios voted proxies relating to portfolio securities during the most recent 12 month period ended June 30, without charge, upon request, by calling 1-800-262-1122. This description is also available on the SEC's website at www.sec.gov.

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Eaton Vance Senior Floating-Rate Trust as of April 30, 2009

INVESTMENT UPDATE

Economic and Market Conditions

Scott H. Page, CFA
Co-Portfolio Manager

Peter M. Campo, CFA
Co-Portfolio Manager

Craig P. Russ
Co-Portfolio Manager

During the six months ending April 30, 2009, credit markets experienced unprecedented volatility in the early part of the period but staged a turnaround in the latter four months. While there is little doubt that a recession would bring higher default rates, it was difficult to reconcile bank loan prices with market fundamentals during November and December of 2008. A range of data and criteria used to monitor creditworthiness suggested that overall credit quality appeared to be in line with previous downturns. Despite this, bank loans traded far below levels consistent with default and recovery expectations, reflecting a full-scale breakdown in the credit markets. Some selling was forced, especially by hedge funds and structured investment vehicles unable to meet margin requirements. In the final four months of the period, however, the market for bank loans began to recover, and cash was put to work in a sector with no active sellers and a new issue market that remained largely closed. As a result, loan prices jumped. We believe that this could be the primary theme from the technical side of the market for the near term. Other positive developments included spread tightening and robust debt issuance in the investment-grade debt market and improvements in short-term financing and other liquidity measures as government stimulus programs began to take hold. We believe this thawing of the high end of the credit markets is beginning to gradually filter down to non-investment-grade sectors. We have also seen several instances in the below-investment-grade market in which issuers have successfully refinanced their debt and/or issued bonds to retire term loans. We are encouraged by these developments and believe they should contribute to improving technicals in our market. Ironically, as performance has improved in 2009, defaults have increased a trend we expect may continue.

Management Discussion

The Trust is a closed-end fund and trades on the New York Stock Exchange under the symbol EFR. The Trust's investment objective is to provide a high level of current income. As a secondary objective, it may also seek preservation of capital to the extent consistent with its primary goal of high current income. Under normal market conditions, the Trust invests at least 80% of its total assets in senior, secured floating-rate loans (senior loans). In managing the Trust, the investment adviser seeks to invest in a portfolio of senior loans that it believes will be less volatile over time than the general loan market. The Trust may also invest in second lien loans and high-yield bonds, and, as discussed below, employs leverage, which may increase risk.

Eaton Vance Senior Floating-Rate Trust

Total Return Performance 10/31/08 4/30/09

| NYSE Symbol | EFR |
|--|----------|
| At Net Asset Value (NAV) ¹ | 4.99% |
| At Share Price ¹ | 7.07 |
| S&P/LSTA Leveraged Loan Index ² | 5.98 |
| Premium/(Discount) to NAV (4/30/09) | -5.13% |
| Total Distributions per common share | \$ 0.444 |

| | | |
|--------------------------------|-----------------------|-------|
| Distribution Rate ³ | <i>At NAV</i> | 7.57% |
| | <i>At Share Price</i> | 7.98% |

Please refer to page 3 for additional performance information.

- ¹ Performance results reflect the effects of leverage.
- ² It is not possible to invest directly in an Index. The Index's total return reflects changes in value of the loans constituting the Index and accrual of interest and does not reflect the commissions or expenses that would have been incurred if an investor individually purchased or sold the loans represented in the Index. Unlike the Trust, the Index's return does not reflect the effect of leverage.
- ³ The Distribution Rate is based on the Trust's most recent monthly distribution per share (annualized) divided by the Trust's NAV or share price at the end of the period. The Trust's monthly distributions may be comprised of ordinary income, net realized capital gains and return of capital.

Past performance is no guarantee of future results. Returns are historical and are calculated by determining the percentage change in net asset value or share price (as applicable) with all distributions reinvested. The Trust's performance at share price will differ from its results at NAV. Although share price performance generally reflects investment results over time, during shorter periods, returns at share price can also be affected by factors such as changing perceptions about the Trust, market conditions, fluctuations in supply and demand for the Trust's shares, or

changes in Trust distributions. Investment return and principal value will fluctuate so that shares, when sold, may be worth more or less than their original cost. Performance is for the stated time period only; due to market volatility, the Trust's current performance may be lower or higher than the quoted return. Absent an expense waiver by the investment adviser, the returns would be lower. For performance as of the most recent month end, please refer to www.eatonvance.com.

Trust shares are not insured by the FDIC and are not deposits or other obligations of, or guaranteed by, any depository institution. Shares are subject to investment risks, including possible loss of principal invested.

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Eaton Vance Senior Floating-Rate Trust as of April 30, 2009

INVESTMENT UPDATE

As of April 30, 2009, the Trust's investments included senior loans to 391 borrowers spanning 39 industries, with an average loan size of 0.24% of total investments, and no industry constituting more than 10% of total investments. Healthcare, business equipment and services, and cable and satellite television were among the top industry weightings.

During the six-month period, the Trust's return at net asset value lagged the S&P/LSTA Leveraged Loan Index (the Index), primarily because leverage hurt performance in the first two months of the period—November and December of 2008—more than it helped during the credit recovery in the latter four months of the period.

The Trust's higher relative weightings in business equipment and services and in cable and satellite television, both of which outperformed the broader market, contributed positively to its relative performance. A higher relative percentage of single B and BB-rated issues, which outperformed lower-quality loans, was also helpful.

As of April 30, 2009, the Trust employed leverage of 36.5% of total assets—24.4% auction preferred shares (APS) and 12.1% borrowings. Use of leverage creates an opportunity for income, but at the same time creates special risks (including the likelihood of greater volatility of net asset value and market price of common shares).

As we move into this rising default environment in 2009, we believe that our experienced credit research analysts helped us to avoid some of the riskiest names, resulting in the Trust having fewer defaulted loans than many of its peers. In addition, we believe our diversified approach to the asset class—which includes keeping investments in individual issues relatively small—has helped to contain the degree of losses associated with the defaulted loans that the Trust does hold.

¹ It is not possible to invest directly in an Index. The Index's total return reflects changes in value of the loans constituting the Index and accrual of interest and does not reflect the commissions or expenses that would have been incurred if an investor individually purchased or sold the loans represented in the Index. Unlike the Trust, the Index's return does not reflect the effect of

leverage.

- 2 In the event of a rise in long-term interest rates, the value of the Trust's investment portfolio could decline, which would reduce the asset coverage for its APS and borrowings. APS percentage represents the liquidation value of the Trust's APS outstanding at 4/30/09 as a percentage of the Trust's net assets applicable to common shares plus APS and borrowings outstanding.

The views expressed throughout this report are those of the portfolio managers and are current only through the end of the period of the report as stated on the cover. These views are subject to change at any time based upon market or other conditions, and the investment adviser disclaims any responsibility to update such views. These views may not be relied on as investment advice and, because investment decisions for a fund are based on many factors, may not be relied on as an indication of trading intent on behalf of any Eaton Vance fund. Portfolio information provided in the report may not be representative of the Trust's current or future investments and may change due to active management.

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Eaton Vance Senior Floating-Rate Trust as of April 30, 2009
FUND PERFORMANCE

Trust Performance¹

| | |
|---|--------|
| New York Stock Exchange Symbol (NYSE) | EFR |
| Average Annual Total Returns (by share price, NYSE) | |
| Six Months | 7.07% |
| One Year | -28.99 |
| Five Years | -6.28 |
| Life of Trust (11/28/03) | -4.62 |
| Average Annual Total Returns (at net asset value) | |
| Six Months | 4.99% |
| One Year | -29.44 |
| Five Years | -4.20 |
| Life of Trust (11/28/03) | -3.69 |

¹ *Performance results reflect the effects of leverage.*

Portfolio Composition

Top Ten Holdings²

| | |
|--|------|
| By total investments | |
| Intelsat Corp. | 1.3% |
| SunGard Data Systems, Inc. | 1.2 |
| UPC Broadband Holding B.V. | 1.2 |
| Community Health Systems, Inc. | 1.1 |
| Rite Aid Corp. | 1.1 |
| Georgia-Pacific Corp. | 1.1 |
| MCC Iowa, LLC | 1.0 |
| Cequel Communications, LLC | 0.9 |
| Graphic Packaging International, Inc. | 0.8 |
| Centennial Cellular Operating Co., LLC | 0.8 |

² Reflects the Trust's investments as of 4/30/09. Holdings are shown as a percentage of the Trust's total investments.

Top Five Industries³

| | |
|---------------------------------|-------|
| By total investments | |
| Healthcare | 10.0% |
| Business Equipment and Services | 7.6 |
| Cable and Satellite Television | 7.2 |
| Leisure Goods/Activities/Movies | 6.6 |
| Publishing | 5.2 |

³ Reflects the Trust's investments as of 4/30/09. Industries are shown as a percentage of the Trust's total investments.

Credit Quality Ratings for Total Loan Investments⁴

| | |
|---------------------------|------|
| By total loan investments | |
| Baa | 0.7% |
| Ba | 34.5 |
| B | 38.5 |
| Caa | 10.0 |
| Defaulted | 6.0 |
| Non-Rated ⁵ | 10.3 |

⁴ Credit Quality ratings are those provided by Moody's Investor Services, Inc., a nationally recognized bond rating service. Reflects the Trust's total loan investments as of 4/30/09. Although the investment adviser considers ratings when making investment decisions, it performs its own credit and

investment analysis and does not rely primarily on the ratings assigned by the rating services. Credit quality can change from time to time, and recently issued credit ratings may not fully reflect the actual risks posed by a particular security or the issuer's current financial condition.

- ⁵ Certain loans in which the Trust invests are not rated by a rating agency. In management's opinion, such securities are comparable to securities rated by a rating agency in the categories listed above.

Past performance is no guarantee of future results. Returns are historical and are calculated by determining the percentage change in net asset value or share price (as applicable) with all distributions reinvested. The Trust's performance at share price will differ from its results at NAV. Although share price performance generally reflects investment results over time, during shorter periods, returns at share price can also be affected by factors such as changing perceptions about the Trust, market conditions, fluctuations in supply and demand for the Trust's shares, or changes in Trust distributions. Investment return and principal value will fluctuate so that shares, when redeemed, may be worth more or less than their original cost. Performance is for the stated time period only; due to market volatility, the Trust's current performance may be lower or higher than the quoted return. Absent an expense waiver by the investment adviser, the returns would be lower. For performance as of the most recent month end, please refer to www.eatonvance.com.

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Eaton Vance Senior Floating-Rate Trust as of April 30, 2009

PORTFOLIO OF INVESTMENTS (Unaudited)

Senior Floating-Rate Interests 145.4%

| Principal Amount* | Borrower/Tranche Description | Value |
|--|---|--------------|
| Aerospace and Defense 3.6% | | |
| ACTS Aero Technical Support & Service, Inc. | | |
| 709,366 | Term Loan, 7.37%, Maturing October 5, 2014 | \$ 138,326 |
| AWAS Capital, Inc. | | |
| 724,965 | Term Loan, 3.00%, Maturing March 22, 2013 | 514,725 |
| Colt Defense, LLC | | |
| 976,450 | Term Loan, 4.01%, Maturing July 9, 2014 | 878,805 |
| DAE Aviation Holdings, Inc. | | |
| 416,490 | Term Loan, 4.39%, Maturing July 31, 2014 | 245,729 |
| 409,534 | Term Loan, 4.79%, Maturing July 31, 2014 | 241,625 |
| Evergreen International Aviation | | |
| 1,376,943 | Term Loan, 9.00%, Maturing October 31, 2011 | 724,616 |
| Hawker Beechcraft Acquisition | | |
| 256,285 | Term Loan, 3.22%, Maturing March 26, 2014 | 134,122 |
| 4,353,422 | Term Loan, 3.22%, Maturing March 26, 2014 | 2,278,289 |
| Hexcel Corp. | | |
| 818,375 | Term Loan, 3.34%, Maturing March 1, 2012 | 752,905 |
| IAP Worldwide Services, Inc. | | |
| 882,173 | Term Loan, 8.25%, Maturing December 30, 2012 ⁽²⁾ | 507,250 |
| Spirit AeroSystems, Inc. | | |
| 1,589,406 | Term Loan, 2.89%, Maturing December 31, 2011 | 1,462,254 |
| TransDigm, Inc. | | |
| 1,625,000 | Term Loan, 3.23%, Maturing June 23, 2013 | 1,496,354 |
| Vought Aircraft Industries, Inc. | | |

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| | | |
|--------------------------------------|--|----------------------|
| 2,097,896 | Term Loan, 2.93%, Maturing December 17, 2011 | 1,659,960 |
| 496,475 | Term Loan, 7.50%, Maturing December 22, 2011 | 417,867 |
| Wesco Aircraft Hardware Corp. | | |
| 1,142,688 | Term Loan, 2.68%, Maturing September 29, 2013 | 948,431 |
| | | \$ 12,401,258 |

Air Transport 0.8%

| | | |
|---|--|---------------------|
| Airport Development and Investment, Ltd. | | |
| GBP 782,900 | Term Loan - Second Lien, 5.54%, Maturing April 7, 2011 | \$ 490,780 |
| Delta Air Lines, Inc. | | |
| 1,179,000 | Term Loan - Second Lien, 3.74%, Maturing April 30, 2014 | 609,641 |
| Northwest Airlines, Inc. | | |
| 1,916,833 | Term Loan, 2.46%, Maturing December 31, 2010 | 1,776,664 |
| | | \$ 2,877,085 |

Automotive 6.7%

| | | |
|-----------------------------------|--|--------------|
| Accuride Corp. | | |
| 1,957,967 | Term Loan, 8.00%, Maturing January 31, 2012 | \$ 1,198,031 |
| Adesa, Inc. | | |
| 2,543,805 | Term Loan, 3.10%, Maturing October 18, 2013 | 2,134,252 |
| Affina Group, Inc. | | |
| 1,325,940 | Term Loan, 4.04%, Maturing November 30, 2011 | 945,837 |
| Allison Transmission, Inc. | | |
| 1,903,055 | Term Loan, 3.22%, Maturing September 30, 2014 | 1,373,899 |
| Chrysler Financial | | |
| 2,473,656 | Term Loan, 4.45%, Maturing August 1, 2014 | 1,837,572 |
| CSA Acquisition Corp. | | |
| 353,889 | Term Loan, 3.75%, Maturing December 23, 2011 | 116,783 |

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| | | |
|---|--|----------------------|
| 884,071 | Term Loan, 3.75%, Maturing December 23, 2011 | 291,744 |
| 483,750 | Term Loan, 3.75%, Maturing December 23, 2012 | 159,637 |
| Dayco Products, LLC | | |
| 1,728,451 | Term Loan, 0.00%, Maturing June 21, 2011 ⁽³⁾ | 264,453 |
| Delphi Corp. | | |
| 1,361,357 | DIP Loan, 0.00%, Maturing June 30, 2009 ⁽³⁾ | 231,431 |
| 138,644 | DIP Loan, 10.50%, Maturing June 30, 2009 | 23,569 |
| Federal-Mogul Corp. | | |
| 1,492,610 | Term Loan, 2.43%, Maturing December 27, 2014 | 853,276 |
| 3,135,523 | Term Loan, 2.39%, Maturing December 27, 2015 | 1,792,475 |
| Ford Motor Co. | | |
| 2,233,787 | Term Loan, 3.69%, Maturing December 15, 2013 | 1,414,901 |
| General Motors Corp. | | |
| 3,379,737 | Term Loan, 8.00%, Maturing November 29, 2013 | 2,222,177 |
| Goodyear Tire & Rubber Co. | | |
| 2,400,000 | Term Loan - Second Lien, 2.19%, Maturing April 30, 2010 | 2,016,430 |
| HLI Operating Co., Inc. | | |
| EUR 109,091 | Term Loan, 9.50%, Maturing May 30, 2014 | 57,014 |
| EUR 1,853,091 | Term Loan, 9.50%, Maturing May 30, 2014 | 968,470 |
| Keystone Automotive Operations, Inc. | | |
| 1,330,251 | Term Loan, 4.33%, Maturing January 12, 2012 | 555,380 |
| LKQ Corp. | | |
| 952,504 | Term Loan, 2.71%, Maturing October 12, 2014 | 850,110 |
| TriMas Corp. | | |
| 234,375 | Term Loan, 2.75%, Maturing August 2, 2011 | 200,977 |
| 1,980,082 | Term Loan, 3.09%, Maturing August 2, 2013 | 1,697,920 |
| TRW Automotive, Inc. | | |
| 1,000,000 | Term Loan, 2.00%, Maturing February 2, 2014 | 671,667 |
| United Components, Inc. | | |
| 1,137,153 | Term Loan, 3.50%, Maturing June 30, 2010 | 858,551 |
| | | \$ 22,736,556 |

See notes to financial statements

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Eaton Vance Senior Floating-Rate Trust as of April 30, 2009

PORTFOLIO OF INVESTMENTS (Unaudited) CONT D

| Principal Amount* | Borrower/Tranche Description | Value |
|--------------------------|--|-------------------|
| | Beverage and Tobacco 0.1% | |
| | Culligan International Co. | |
| EUR 975,000 | Term Loan - Second Lien, 6.25%, Maturing May 31, 2013 | \$ 249,942 |
| | | \$ 249,942 |
| | Brokers, Dealers and Investment Houses 0.2% | |
| | AmeriTrade Holding Corp. | |
| 730,172 | Term Loan, 1.95%, Maturing December 31, 2012 | \$ 692,751 |
| | | \$ 692,751 |
| | Building and Development 3.8% | |
| | Beacon Sales Acquisition, Inc. | |
| 1,146,000 | Term Loan, 3.13%, Maturing September 30, 2013 | \$ 936,855 |
| | Brickman Group Holdings, Inc. | |
| 1,185,764 | Term Loan, 2.43%, Maturing January 23, 2014 | 1,036,061 |
| | Epco/Fantome, LLC | |
| 1,342,000 | Term Loan, 3.06%, Maturing November 23, 2010 | 1,026,630 |
| | Forestar USA Real Estate Group, Inc. | |
| 1,549,657 | Revolving Loan, 4.38%, Maturing December 1, 2010 ⁽⁴⁾ | 1,278,467 |

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| | | |
|--|--|----------------------|
| 1,550,000 | Term Loan, 4.44%, Maturing December 1, 2010 | 1,278,750 |
| Hovstone Holdings, LLC | | |
| 894,412 | Term Loan, 5.50%, Maturing July 1, 2009 ⁽⁵⁾ | 359,822 |
| LNR Property Corp. | | |
| 1,144,000 | Term Loan, 4.00%, Maturing July 3, 2011 | 610,896 |
| Metroflag BP, LLC | | |
| 500,000 | Term Loan - Second Lien, 0.00%, Maturing July 2, 2009 ⁽³⁾ | 37,500 |
| Mueller Water Products, Inc. | | |
| 1,762,318 | Term Loan, 2.66%, Maturing May 24, 2014 | 1,489,159 |
| NCI Building Systems, Inc. | | |
| 553,061 | Term Loan, 1.95%, Maturing June 18, 2010 | 445,214 |
| November 2005 Land Investors | | |
| 304,334 | Term Loan, 6.43%, Maturing May 9, 2011 ⁽²⁾ | 152,167 |
| Panolam Industries Holdings, Inc. | | |
| 1,000,288 | Term Loan, 5.00%, Maturing September 30, 2012 | 575,166 |
| Re/Max International, Inc. | | |
| 636,247 | Term Loan, 4.61%, Maturing December 17, 2012 | 448,554 |
| 456,309 | Term Loan, 8.61%, Maturing December 17, 2012 | 321,698 |
| Realogy Corp. | | |
| 321,321 | Term Loan, 4.18%, Maturing September 1, 2014 | 209,433 |
| 678,679 | Term Loan, 4.18%, Maturing September 1, 2014 | 442,353 |
| South Edge, LLC | | |
| 787,500 | Term Loan, 0.00%, Maturing October 31, 2009 ⁽³⁾ | 143,063 |
| TRU 2005 RE Holding Co. | | |
| 3,539,635 | Term Loan, 3.51%, Maturing December 9, 2009 | 2,238,819 |
| United Subcontractors, Inc. | | |
| 838,227 | Term Loan - Second Lien, 11.69%, Maturing June 27, 2013 ⁽²⁾⁽⁵⁾ | 55,323 |
| | | \$ 13,085,930 |

Business Equipment and Services 11.4%

| | | |
|---------------------------------------|--|------------|
| ACCO Brands Corp. | | |
| 1,017,825 | Term Loan, 7.75%, Maturing August 17, 2012 | \$ 646,319 |
| Activant Solutions, Inc. | | |
| 1,170,296 | Term Loan, 2.94%, Maturing May 1, 2013 | 803,604 |
| Affiliated Computer Services | | |
| 798,187 | Term Loan, 2.44%, Maturing March 20, 2013 | 754,509 |
| 708,607 | Term Loan, 2.46%, Maturing March 20, 2013 | 669,830 |
| Affinion Group, Inc. | | |
| 2,378,933 | Term Loan, 3.73%, Maturing October 17, 2012 | 2,093,461 |
| Allied Barton Security Service | | |
| 995,379 | Term Loan, 6.75%, Maturing February 21, 2015 | 935,656 |
| Education Management, LLC | | |
| 4,654,175 | Term Loan, 3.00%, Maturing June 1, 2013 | 4,193,742 |
| Info USA, Inc. | | |
| 275,255 | Term Loan, 3.22%, Maturing February 14, 2012 | 222,268 |
| Intergraph Corp. | | |
| 1,000,000 | Term Loan, 3.26%, Maturing May 29, 2014 | 915,000 |
| 1,000,000 | Term Loan - Second Lien, 6.74%, Maturing November 29, 2014 | 839,167 |
| iPayment, Inc. | | |
| 2,525,878 | Term Loan, 2.89%, Maturing May 10, 2013 | 1,717,597 |
| Kronos, Inc. | | |
| 1,044,274 | Term Loan, 3.47%, Maturing June 11, 2014 | 777,984 |
| Language Line, Inc. | | |
| 1,909,877 | Term Loan, 4.47%, Maturing June 11, 2011 | 1,680,692 |
| Mitchell International, Inc. | | |
| 1,000,000 | Term Loan - Second Lien, 6.50%, Maturing March 28, 2015 | 602,500 |
| N.E.W. Holdings I, LLC | | |
| 1,906,076 | Term Loan, 3.47%, Maturing May 22, 2014 | 1,329,488 |
| Protection One, Inc. | | |
| 891,370 | Term Loan, 2.68%, Maturing March 31, 2012 | 702,697 |
| Quantum Corp. | | |
| 221,000 | Term Loan, 4.50%, Maturing July 12, 2014 | 177,353 |
| Quintiles Transnational Corp. | | |
| 1,700,000 | | 1,411,000 |

| | | |
|------------------------------|--|-----------|
| | Term Loan - Second Lien, 4.43%, Maturing March 31, 2014 | |
| Sabre, Inc. | | |
| 6,057,297 | Term Loan, 3.07%, Maturing September 30, 2014 | 3,372,400 |
| Serena Software, Inc. | | |
| 477,000 | Term Loan, 2.92%, Maturing March 10, 2013 | 341,651 |

See notes to financial statements

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Eaton Vance Senior Floating-Rate Trust as of April 30, 2009

PORTFOLIO OF INVESTMENTS (Unaudited) CONT D

| Principal Amount* | Borrower/Tranche Description | Value |
|---|--|----------------------|
| Business Equipment and Services (continued) | | |
| Sitel (Client Logic) | | |
| 1,866,855 | Term Loan, 6.42%, Maturing January 29, 2014 | \$ 1,166,784 |
| Solera Holdings, LLC | | |
| EUR 740,315 | Term Loan, 3.44%, Maturing May 15, 2014 | 852,174 |
| SunGard Data Systems, Inc. | | |
| 7,141,161 | Term Loan, 2.67%, Maturing February 11, 2013 | 6,445,891 |
| TDS Investor Corp. | | |
| 269,897 | Term Loan, 3.47%, Maturing August 23, 2013 | 182,105 |
| 2,345,107 | Term Loan, 3.47%, Maturing August 23, 2013 | 1,582,295 |
| EUR 1,054,228 | Term Loan, 3.78%, Maturing August 23, 2013 | 902,002 |
| Transaction Network Services, Inc. | | |
| 552,695 | Term Loan, 2.49%, Maturing May 4, 2012 | 521,836 |
| Valassis Communications, Inc. | | |
| 461,655 | Term Loan, 2.18%, Maturing March 2, 2014 | 395,869 |
| 1,799,183 | Term Loan, 2.18%, Maturing March 2, 2014 | 1,542,799 |
| West Corp. | | |
| 1,382,700 | Term Loan, 2.83%, Maturing October 24, 2013 | 1,170,494 |
| | | \$ 38,949,167 |

Cable and Satellite Television 11.1%

| | | | |
|---|-----------|---|--------------|
| Atlantic Broadband Finance, LLC | | | |
| 2,684,604 | | Term Loan, 3.47%, Maturing February 10, 2011 | \$ 2,436,278 |
| Bragg Communications, Inc. | | | |
| 2,117,750 | | Term Loan, 3.76%, Maturing August 31, 2014 | 1,980,096 |
| Bresnan Broadband Holdings, LLC | | | |
| 500,000 | | Term Loan, 3.05%, Maturing March 29, 2014 | 459,584 |
| 1,200,000 | | Term Loan - Second Lien, 4.99%, Maturing March 29, 2014 | 960,000 |
| Cequel Communications, LLC | | | |
| 493,703 | | Term Loan, 2.48%, Maturing November 5, 2013 | 448,776 |
| 1,550,000 | | Term Loan - Second Lien, 5.00%, Maturing May 5, 2014 | 1,242,768 |
| 3,908,909 | | Term Loan - Second Lien, 6.49%, Maturing May 5, 2014 ⁽²⁾ | 3,218,009 |
| Charter Communications Operating, Inc. | | | |
| 2,375,567 | | Term Loan, 4.69%, Maturing April 28, 2013 | 2,010,323 |
| CSC Holdings, Inc. | | | |
| 2,937,529 | | Term Loan, 2.20%, Maturing March 29, 2013 | 2,725,477 |
| CW Media Holdings, Inc. | | | |
| 615,625 | | Term Loan, 4.47%, Maturing February 15, 2015 | 498,849 |
| Foxco Acquisition Sub., LLC | | | |
| 583,643 | | Term Loan, 7.25%, Maturing July 2, 2015 | 358,941 |
| Insight Midwest Holdings, LLC | | | |
| 3,594,375 | | Term Loan, 2.50%, Maturing April 6, 2014 | 3,302,332 |
| MCC Iowa, LLC | | | |
| 5,762,802 | | Term Loan, 2.08%, Maturing January 31, 2015 | 5,143,301 |
| Mediacom Illinois, LLC | | | |
| 3,711,967 | | Term Loan, 1.83%, Maturing January 31, 2015 | 3,322,210 |
| NTL Investment Holdings, Ltd. | | | |
| GBP | 372,729 | Term Loan, 3.89%, Maturing March 30, 2012 | 457,246 |
| GBP | 1,150,262 | Term Loan, 3.81%, Maturing September 3, 2012 | 1,411,084 |
| ProSiebenSat.1 Media AG | | | |
| EUR | 409,546 | Term Loan, 4.59%, Maturing March 2, 2015 | 88,054 |
| EUR | 11,076 | Term Loan, 3.75%, Maturing June 26, 2015 | 9,374 |
| EUR | 272,924 | Term Loan, 3.75%, Maturing June 26, 2015 | 230,979 |

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| | | | |
|---|-----------|--|----------------------|
| EUR | 409,546 | Term Loan, 4.84%, Maturing March 2, 2016 | 88,054 |
| EUR | 358,308 | Term Loan, 9.21%, Maturing March 2, 2017 ⁽²⁾ | 18,455 |
| EUR | 519,952 | Term Loan - Second Lien, 5.96%, Maturing September 2, 2016 | 31,646 |
| UPC Broadband Holding B.V. | | | |
| EUR | 4,050,000 | Term Loan, 3.14%, Maturing October 16, 2011 | 4,395,230 |
| | 1,950,000 | Term Loan, 2.32%, Maturing December 31, 2014 | 1,806,188 |
| Virgin Media Investment Holdings | | | |
| GBP | 239,517 | Term Loan, 5.31%, Maturing March 30, 2012 | 293,827 |
| YPSO Holding SA | | | |
| EUR | 209,021 | Term Loan, 3.69%, Maturing July 28, 2014 | 185,292 |
| EUR | 249,358 | Term Loan, 3.69%, Maturing July 28, 2014 | 221,050 |
| EUR | 541,621 | Term Loan, 3.69%, Maturing July 28, 2014 | 480,134 |
| | | | \$ 37,823,557 |

Chemicals and Plastics 7.4%

AZ Chem US, Inc.

| | | |
|---------|--|------------|
| 500,000 | Term Loan - Second Lien, 5.93%, Maturing February 28, 2014 | \$ 275,000 |
|---------|--|------------|

Brenntag Holding GmbH and Co. KG

| | | |
|-----------|--|-----------|
| 373,091 | Term Loan, 2.50%, Maturing December 23, 2013 | 302,204 |
| 1,526,909 | Term Loan, 3.18%, Maturing December 23, 2013 | 1,236,796 |
| 1,000,000 | Term Loan - Second Lien, 5.50%, Maturing December 23, 2015 | 580,000 |

Celanese Holdings, LLC

| | | |
|-----------|--|-----------|
| 4,140,500 | Term Loan, 2.94%, Maturing April 2, 2014 | 3,685,985 |
|-----------|--|-----------|

First Chemical Holding

| | | |
|-------------|--|---------|
| EUR 965,273 | Term Loan, 4.56%, Maturing December 18, 2014 | 391,128 |
|-------------|--|---------|

Foamex, L.P.

| | | |
|-----------|---|---------|
| 1,452,328 | Term Loan, 0.00%, Maturing February 12, 2013 ⁽³⁾ | 418,754 |
|-----------|---|---------|

Georgia Gulf Corp.

| | | |
|---------|--|---------|
| 655,225 | | 423,713 |
|---------|--|---------|

Term Loan, 8.91%, Maturing
October 3, 2013

Hexion Specialty Chemicals, Inc.

| | | |
|-----------|---|-----------|
| 491,250 | Term Loan, 3.50%, Maturing May 5, 2012 | 245,625 |
| 959,757 | Term Loan, 3.50%, Maturing May 5, 2013 | 475,765 |
| 4,418,192 | Term Loan, 3.50%, Maturing May 5, 2013 | 2,190,160 |

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Eaton Vance Senior Floating-Rate Trust as of April 30, 2009

PORTFOLIO OF INVESTMENTS (Unaudited) CONT D

| Principal Amount* | Borrower/Tranche Description | Value |
|--|--|--------------|
| Chemicals and Plastics (continued) | | |
| Huntsman International, LLC | | |
| 1,500,000 | Term Loan, 2.18%, Maturing August 16, 2012 | \$ 1,245,000 |
| INEOS Group | | |
| 2,294,637 | Term Loan, 7.50%, Maturing December 14, 2013 | 1,231,456 |
| 2,199,602 | Term Loan, 8.00%, Maturing December 14, 2014 | 1,180,454 |
| EUR 750,000 | Term Loan - Second Lien, 7.71%, Maturing December 14, 2012 | 291,495 |
| Innophos, Inc. | | |
| 326,584 | Term Loan, 3.43%, Maturing August 10, 2010 | 307,805 |
| ISP Chemco, Inc. | | |
| 1,564,576 | Term Loan, 2.63%, Maturing June 4, 2014 | 1,424,742 |
| Kranton Polymers, LLC | | |
| 2,758,031 | Term Loan, 3.25%, Maturing May 12, 2013 | 1,878,219 |
| Lucite International Group Holdings | | |
| 210,375 | Term Loan, 2.68%, Maturing July 7, 2013 | 204,064 |
| 594,079 | Term Loan, 2.68%, Maturing July 7, 2013 | 576,256 |
| MacDermid, Inc. | | |
| EUR 782,384 | Term Loan, 3.21%, Maturing April 12, 2014 | 538,290 |
| Millenium Inorganic Chemicals | | |
| 313,967 | Term Loan, 3.47%, Maturing April 30, 2014 | 204,079 |
| 975,000 | Term Loan - Second Lien, 6.97%, Maturing October 31, 2014 | 589,875 |
| Momentive Performance Material | | |
| 1,685,254 | Term Loan, 2.69%, Maturing December 4, 2013 | 1,135,440 |
| Propex Fabrics, Inc. | | |

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| | | | |
|---|-----------|---|----------------------|
| | 645,995 | Term Loan, 7.25%, Maturing July 31, 2012 ⁽²⁾ | 101,744 |
| Rockwood Specialties Group, Inc. | | | |
| | 3,225,975 | Term Loan, 2.18%, Maturing December 10, 2012 | 2,910,291 |
| Schoeller Arca Systems Holding | | | |
| EUR | 144,523 | Term Loan, 5.82%, Maturing November 16, 2015 | 86,048 |
| EUR | 412,060 | Term Loan, 5.82%, Maturing November 16, 2015 | 245,339 |
| EUR | 443,417 | Term Loan, 5.82%, Maturing November 16, 2015 | 264,008 |
| Solo Cup Co. | | | |
| | 484,813 | Term Loan, 4.72%, Maturing February 27, 2011 | 455,421 |
| | | | \$ 25,095,156 |

Clothing/Textiles 0.5%

Hanesbrands, Inc.

| | | | |
|--|---------|--|------------|
| | 850,000 | Term Loan - Second Lien, 4.84%, Maturing March 5, 2014 | \$ 769,250 |
|--|---------|--|------------|

St. John Knits International, Inc.

| | | | |
|--|---------|---|---------|
| | 504,530 | Term Loan, 9.00%, Maturing March 23, 2012 | 340,557 |
|--|---------|---|---------|

The William Carter Co.

| | | | |
|--|---------|--|---------|
| | 623,728 | Term Loan, 2.01%, Maturing July 14, 2012 | 592,542 |
|--|---------|--|---------|

\$ 1,702,349

Conglomerates 5.0%

Amsted Industries, Inc.

| | | | |
|--|-----------|---|--------------|
| | 1,684,378 | Term Loan, 3.15%, Maturing October 15, 2010 | \$ 1,541,206 |
|--|-----------|---|--------------|

Blount, Inc.

| | | | |
|--|---------|---|---------|
| | 249,524 | Term Loan, 2.25%, Maturing August 9, 2010 | 231,433 |
|--|---------|---|---------|

Doncasters (Dunde HoldCo 4 Ltd.)

| | | | |
|--|---------|--|---------|
| | 427,981 | Term Loan, 2.99%, Maturing July 13, 2015 | 250,369 |
| | 427,981 | | 250,369 |

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| | | | |
|--------------------------------------|-----------|---|----------------------|
| | | Term Loan, 3.49%, Maturing July 13, 2015 | |
| GBP | 500,000 | Term Loan - Second Lien, 5.48%, Maturing November 15, 2016 | 323,608 |
| GenTek, Inc. | | | |
| | 497,238 | Term Loan, 3.18%, Maturing February 25, 2011 | 431,354 |
| Jarden Corp. | | | |
| | 1,190,479 | Term Loan, 2.97%, Maturing January 24, 2012 | 1,143,455 |
| | 2,112,457 | Term Loan, 2.97%, Maturing January 24, 2012 | 2,029,015 |
| Johnson Diversey, Inc. | | | |
| | 1,623,517 | Term Loan, 3.18%, Maturing December 16, 2011 | 1,538,282 |
| Manitowoc Company, Inc. (The) | | | |
| | 1,246,875 | Term Loan, 6.50%, Maturing August 21, 2014 | 957,600 |
| Polymer Group, Inc. | | | |
| | 2,293,477 | Term Loan, 3.21%, Maturing November 22, 2012 | 1,983,858 |
| RBS Global, Inc. | | | |
| | 788,187 | Term Loan, 2.44%, Maturing July 19, 2013 | 623,653 |
| | 3,784,836 | Term Loan, 3.36%, Maturing July 19, 2013 | 3,013,676 |
| RGIS Holdings, LLC | | | |
| | 2,710,315 | Term Loan, 3.45%, Maturing April 30, 2014 | 2,028,218 |
| | 135,516 | Term Loan, 3.72%, Maturing April 30, 2014 | 101,411 |
| Vertrue, Inc. | | | |
| | 822,227 | Term Loan, 4.22%, Maturing August 16, 2014 | 612,559 |
| | | | \$ 17,060,066 |

Containers and Glass Products 4.7%

Berry Plastics Corp.

| | | |
|-----------|---|--------------|
| 2,000,000 | Term Loan, 2.47%, Maturing April 3, 2015 | \$ 1,472,500 |
|-----------|---|--------------|

Consolidated Container Co.

| | | |
|-----------|--|---------|
| 1,000,000 | Term Loan - Second Lien, 5.93%, Maturing September 28, 2014 | 415,000 |
|-----------|--|---------|

Crown Americas, Inc.

| | | |
|---------|--|---------|
| 606,250 | | 584,273 |
|---------|--|---------|

| | | |
|--|---|-----------|
| | Term Loan, 2.20%, Maturing November 15, 2012 | |
| Graham Packaging Holdings Co. | | |
| 2,148,147 | Term Loan, 2.76%, Maturing October 7, 2011 | 1,945,268 |
| Graphic Packaging International, Inc. | | |
| 4,475,625 | Term Loan, 3.06%, Maturing May 16, 2014 | 4,065,358 |
| 478,069 | Term Loan, 3.79%, Maturing May 16, 2014 | 441,417 |
| JSG Acquisitions | | |
| 1,845,000 | Term Loan, 3.03%, Maturing December 31, 2013 | 1,465,622 |
| 1,845,000 | Term Loan, 3.28%, Maturing December 13, 2014 | 1,465,622 |

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Eaton Vance Senior Floating-Rate Trust as of April 30, 2009

PORTFOLIO OF INVESTMENTS (Unaudited) CONT D

| Principal Amount* | Borrower/Tranche Description | Value |
|---|--|----------------------|
| Containers and Glass Products (continued) | | |
| Owens-Brockway Glass Container | | |
| 1,555,938 | Term Loan, 1.95%, Maturing June 14, 2013 | \$ 1,427,087 |
| Smurfit-Stone Container Corp. | | |
| 487,475 | Revolving Loan, 3.27%, Maturing December 31, 2009 | 382,668 |
| 1,470,007 | Term Loan, 3.03%, Maturing November 1, 2009 | 1,153,956 |
| 191,320 | Term Loan, 2.82%, Maturing November 1, 2011 | 148,847 |
| 335,726 | Term Loan, 2.82%, Maturing November 1, 2011 | 258,844 |
| 632,788 | Term Loan, 2.82%, Maturing November 1, 2011 | 492,309 |
| 295,007 | Term Loan, 4.50%, Maturing November 1, 2011 | 227,450 |
| | | \$ 15,946,221 |
| Cosmetics/Toiletries 0.7% | | |
| American Safety Razor Co. | | |
| 490,545 | Term Loan, 3.45%, Maturing July 31, 2013 | \$ 430,453 |
| 900,000 | Term Loan - Second Lien, 6.68%, Maturing July 31, 2014 | 605,250 |
| KIK Custom Products, Inc. | | |
| 975,000 | Term Loan - Second Lien, 5.44%, Maturing November 30, 2014 | 222,625 |
| Prestige Brands, Inc. | | |
| 1,279,458 | Term Loan, 2.68%, Maturing April 7, 2011 | 1,234,677 |

\$ 2,493,005

Drugs 1.3%

Graceway Pharmaceuticals, LLC

| | | |
|-----------|---|------------|
| 708,003 | Term Loan, 3.18%, Maturing May 3, 2012 | \$ 523,037 |
| 1,000,000 | Term Loan, 6.93%, Maturing May 3, 2013 | 321,667 |
| 275,000 | Term Loan, 8.68%, Maturing November 3, 2013 | 68,750 |

Pharmaceutical Holdings Corp.

| | | |
|---------|---|---------|
| 340,241 | Term Loan, 3.75%, Maturing January 30, 2012 | 302,814 |
|---------|---|---------|

Stiefel Laboratories, Inc.

| | | |
|---------|--|---------|
| 709,915 | Term Loan, 3.39%, Maturing December 28, 2013 | 700,154 |
| 928,148 | Term Loan, 3.39%, Maturing December 28, 2013 | 915,386 |

Warner Chilcott Corp.

| | | |
|-----------|---|-----------|
| 444,655 | Term Loan, 2.43%, Maturing January 18, 2012 | 419,532 |
| 1,267,842 | Term Loan, 2.87%, Maturing January 18, 2012 | 1,196,209 |

\$ 4,447,549

Ecological Services and Equipment 1.6%

Blue Waste B.V. (AVR Acquisition)

| | | |
|---------------|--|--------------|
| EUR 1,000,000 | Term Loan, 3.24%, Maturing April 1, 2015 | \$ 1,076,121 |
|---------------|--|--------------|

Cory Environmental Holdings

| | | |
|-------------|---|---------|
| GBP 500,000 | Term Loan - Second Lien, 8.06%, Maturing September 30, 2014 | 462,297 |
|-------------|---|---------|

Environmental Systems Products Holdings, Inc.

| | | |
|-----------|---|---------|
| 1,165,123 | Term Loan - Second Lien, 13.50%, Maturing December 12, 2010 | 806,498 |
|-----------|---|---------|

Kemble Water Structure, Ltd.

| | | |
|---------------|---|-----------|
| GBP 1,250,000 | Term Loan - Second Lien, 5.63%, Maturing October 13, 2013 | 1,211,217 |
|---------------|---|-----------|

Sensus Metering Systems, Inc.

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| | | |
|-----------|---|-----------|
| 2,073,913 | Term Loan, 2.80%, Maturing December 17, 2010 | 1,876,891 |
|-----------|---|-----------|

\$ 5,433,024

Electronics/Electrical 3.8%

Aspect Software, Inc.

| | | |
|---------|---|------------|
| 888,607 | Term Loan, 4.25%, Maturing July 11, 2011 | \$ 582,037 |
|---------|---|------------|

| | | |
|-----------|---|---------|
| 1,800,000 | Term Loan - Second Lien, 8.31%, Maturing July 11, 2013 | 468,000 |
|-----------|---|---------|

FCI International S.A.S.

| | | |
|---------|--|---------|
| 207,823 | Term Loan, 4.15%, Maturing November 1, 2013 | 107,029 |
|---------|--|---------|

| | | |
|---------|--|---------|
| 207,823 | Term Loan, 4.15%, Maturing November 1, 2013 | 107,029 |
|---------|--|---------|

| | | |
|---------|--|---------|
| 215,870 | Term Loan, 4.15%, Maturing November 1, 2013 | 111,173 |
|---------|--|---------|

| | | |
|---------|--|---------|
| 215,870 | Term Loan, 4.15%, Maturing November 1, 2013 | 111,173 |
|---------|--|---------|

Freescale Semiconductor, Inc.

| | | |
|-----------|--|-----------|
| 3,000,000 | Term Loan, 2.26%, Maturing December 1, 2013 | 1,767,189 |
|-----------|--|-----------|

Infor Enterprise Solutions Holdings

| | | |
|-----------|---|-----------|
| 1,513,906 | Term Loan, 4.18%, Maturing July 28, 2012 | 1,090,012 |
|-----------|---|-----------|

| | | |
|-----------|---|-----------|
| 2,901,653 | Term Loan, 4.18%, Maturing July 28, 2012 | 2,089,190 |
|-----------|---|-----------|

| | | |
|---------|---|---------|
| 500,000 | Term Loan - Second Lien, 5.93%, Maturing March 2, 2014 | 163,750 |
|---------|---|---------|

| | | |
|---------|---|--------|
| 183,333 | Term Loan - Second Lien, 6.68%, Maturing March 2, 2014 | 60,042 |
|---------|---|--------|

| | | |
|---------|---|---------|
| 316,667 | Term Loan - Second Lien, 6.68%, Maturing March 2, 2014 | 109,250 |
|---------|---|---------|

Network Solutions, LLC

| | | |
|---------|---|---------|
| 672,016 | Term Loan, 3.13%, Maturing March 7, 2014 | 487,211 |
|---------|---|---------|

Open Solutions, Inc.

| | | |
|-----------|--|-----------|
| 2,058,368 | Term Loan, 3.23%, Maturing January 23, 2014 | 1,132,103 |
|-----------|--|-----------|

Sensata Technologies Finance Co.

| | | |
|-----------|--|-----------|
| 2,742,697 | Term Loan, 2.80%, Maturing April 27, 2013 | 1,940,458 |
|-----------|--|-----------|

Spectrum Brands, Inc.

| | | |
|--------|--|--------|
| 55,977 | Term Loan, 2.72%, Maturing March 30, 2013 | 44,628 |
|--------|--|--------|

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| | | |
|------------------------|--|----------------------|
| 1,134,678 | Term Loan, 6.25%, Maturing March 30, 2013 | 904,622 |
| VeriFone, Inc. | | |
| 709,125 | Term Loan, 3.18%, Maturing October 31, 2013 | 631,121 |
| Vertafore, Inc. | | |
| 1,210,171 | Term Loan, 3.75%, Maturing January 31, 2012 | 1,101,255 |
| | | \$ 13,007,272 |

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Eaton Vance Senior Floating-Rate Trust as of April 30, 2009

PORTFOLIO OF INVESTMENTS (Unaudited) CONT D

| Principal Amount* | Borrower/Tranche Description | Value |
|-------------------------------------|---|---------------------|
| Equipment Leasing | 0.5% | |
| AWAS Capital, Inc. | | |
| 1,654,583 | Term Loan - Second Lien, 7.25%, Maturing March 22, 2013 | \$ 637,014 |
| Hertz Corp. | | |
| 14,807 | Term Loan, 2.22%, Maturing December 21, 2012 | 12,016 |
| 1,080,861 | Term Loan, 2.22%, Maturing December 21, 2012 | 877,119 |
| | | \$ 1,526,149 |
| Farming/Agriculture | 0.7% | |
| BF Bolthouse HoldCo, LLC | | |
| 1,150,000 | Term Loan - Second Lien, 5.93%, Maturing December 16, 2013 | \$ 822,250 |
| Central Garden & Pet Co. | | |
| 1,863,017 | Term Loan, 1.94%, Maturing February 28, 2014 | 1,474,112 |
| | | \$ 2,296,362 |
| Financial Intermediaries | 2.3% | |
| Citco III, Ltd. | | |
| 2,642,561 | Term Loan, 3.58%, Maturing June 30, 2014 | \$ 1,466,621 |
| Grosvenor Capital Management | | |

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| | | |
|--|---|---------------------|
| 1,429,052 | Term Loan, 2.74%, Maturing December 5, 2013 | 1,071,789 |
| INVESTools, Inc. | | |
| 297,000 | Term Loan, 3.68%, Maturing August 13, 2012 | 289,575 |
| Jupiter Asset Management Group | | |
| GBP 404,847 | Term Loan, 3.71%, Maturing June 30, 2015 | 285,231 |
| LPL Holdings, Inc. | | |
| 4,010,744 | Term Loan, 2.66%, Maturing December 18, 2014 | 3,435,872 |
| Nuveen Investments, Inc. | | |
| 1,460,250 | Term Loan, 3.44%, Maturing November 2, 2014 | 963,309 |
| Oxford Acquisition III, Ltd. | | |
| 898,432 | Term Loan, 3.10%, Maturing May 24, 2014 | 309,959 |
| RJO Holdings Corp. (RJ O Brien) | | |
| 450,476 | Term Loan, 3.47%, Maturing July 31, 2014 | 168,929 |
| | | \$ 7,991,285 |

Food Products 3.2%

Acosta, Inc.

3,016,578 Term Loan, 2.68%, Maturing July 28,
2013 \$ 2,628,194

Advantage Sales & Marketing, Inc.

686,533 Term Loan, 2.48%, Maturing
March 29, 2013 597,284

Dean Foods Co.

3,397,982 Term Loan, 2.71%, Maturing April 2,
2014 3,174,755

Pinnacle Foods Finance, LLC

724,127 Term Loan, 3.25%, Maturing April 2,
2014 607,136

Provimi Group SA

205,103 Term Loan, 2.68%, Maturing June 28,
2015 146,289

252,404 Term Loan, 2.68%, Maturing June 28,
2015 180,027

EUR 265,285 Term Loan, 3.22%, Maturing June 28,
2015 250,349

EUR 438,752 Term Loan, 3.22%, Maturing June 28,
2015 414,050

EUR 457,186 431,446

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| | | | |
|------------------------------|-----------|---|----------------------|
| | | Term Loan, 3.22%, Maturing June 28, 2015 | |
| EUR | 598,067 | Term Loan, 3.22%, Maturing June 28, 2015 | 564,397 |
| EUR | 24,182 | Term Loan - Second Lien, 5.22%, Maturing June 28, 2015 | 11,198 |
| | 282,126 | Term Loan - Second Lien, 4.68%, Maturing December 28, 2016 ⁽⁴⁾ | 98,744 |
| EUR | 697,446 | Term Loan - Second Lien, 5.22%, Maturing December 28, 2016 ⁽⁴⁾ | 322,977 |
| Reddy Ice Group, Inc. | | | |
| | 1,970,000 | Term Loan, 2.20%, Maturing August 9, 2012 | 1,329,750 |
| | | | \$ 10,756,596 |

Food Service 2.3%

AFC Enterprises, Inc.

417,838 Term Loan, 2.97%, Maturing May 11, 2011 \$ 380,233

Aramark Corp.

GBP 977,500 Term Loan, 3.81%, Maturing January 27, 2014 1,261,691

Buffets, Inc.

46,833 Term Loan, 7.73%, Maturing July 22, 2009⁽²⁾ 7,025
 470,074 Term Loan, 7.73%, Maturing July 22, 2009⁽²⁾ 70,511
 1,000,000 Term Loan, 18.00%, Maturing April 30, 2012 940,000
 137,318 Term Loan, 7.43%, Maturing May 1, 2013⁽²⁾ 11,500
 977,792 Term Loan, 7.77%, Maturing November 1, 2013⁽²⁾ 81,890

CBRL Group, Inc.

1,737,579 Term Loan, 2.69%, Maturing April 27, 2013 1,539,929

NPC International, Inc.

346,291 Term Loan, 2.68%, Maturing May 3, 2013 298,387

OSI Restaurant Partners, LLC

185,739 Term Loan, 4.50%, Maturing May 9, 2013 131,642
 2,151,514 Term Loan, 2.75%, Maturing May 9, 2014 1,524,886

QCE Finance, LLC

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| | | | |
|-------------------------------------|-----------|--|---------------------|
| | 1,219,290 | Term Loan, 3.50%, Maturing May 5, 2013 | 729,542 |
| | 950,000 | Term Loan - Second Lien, 6.98%, Maturing November 5, 2013 | 323,000 |
| Sagittarius Restaurants, LLC | | | |
| | 356,111 | Term Loan, 9.50%, Maturing March 29, 2013 | 208,325 |
| Selecta | | | |
| EUR | 741,246 | Term Loan - Second Lien, 7.04%, Maturing December 28, 2015 | 232,926 |
| | | | \$ 7,741,487 |

See notes to financial statements

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Eaton Vance Senior Floating-Rate Trust as of April 30, 2009

PORTFOLIO OF INVESTMENTS (Unaudited) CONT D

| Principal Amount* | Borrower/Tranche Description | Value |
|--------------------------|---|----------------------|
| | Food/Drug Retailers 4.8% | |
| | General Nutrition Centers, Inc. | |
| 3,382,016 | Term Loan, 3.15%, Maturing September 16, 2013 | \$ 2,866,259 |
| | Iceland Foods Group, Ltd. | |
| GBP 1,250,000 | Term Loan, 2.62%, Maturing May 2, 2014 | 1,728,989 |
| GBP 1,250,000 | Term Loan, 3.37%, Maturing May 2, 2015 | 1,728,989 |
| | Pantry, Inc. (The) | |
| 224,361 | Term Loan, 1.93%, Maturing May 15, 2014 | 199,681 |
| 779,315 | Term Loan, 1.93%, Maturing May 15, 2014 | 693,590 |
| | Rite Aid Corp. | |
| 6,336,000 | Term Loan, 2.20%, Maturing June 1, 2014 | 5,141,664 |
| 1,069,625 | Term Loan, 6.00%, Maturing June 4, 2014 | 872,814 |
| | Roundy s Supermarkets, Inc. | |
| 3,348,082 | Term Loan, 3.20%, Maturing November 3, 2011 | 3,069,077 |
| | | \$ 16,301,063 |
| | Forest Products 2.6% | |
| | Appleton Papers, Inc. | |
| 1,326,375 | Term Loan, 6.50%, Maturing June 5, 2014 | \$ 961,622 |
| | Georgia-Pacific Corp. | |
| 6,272,978 | Term Loan, 3.24%, Maturing December 20, 2012 | 5,867,197 |

Newpage Corp.

| | | |
|-----------|--|-----------|
| 1,762,413 | Term Loan, 4.79%, Maturing December 5, 2014 | 1,376,640 |
|-----------|--|-----------|

Xerium Technologies, Inc.

| | | |
|-----------|--|---------|
| 1,225,324 | Term Loan, 6.72%, Maturing May 18, 2012 | 768,891 |
|-----------|--|---------|

\$ 8,974,350

Healthcare 15.0%

Accellent, Inc.

| | | |
|-----------|---|--------------|
| 2,263,755 | Term Loan, 3.76%, Maturing November 22, 2012 | \$ 1,882,690 |
|-----------|---|--------------|

Alliance Imaging, Inc.

| | | |
|---------|---|---------|
| 479,714 | Term Loan, 3.66%, Maturing December 29, 2011 | 459,326 |
|---------|---|---------|

American Medical Systems

| | | |
|-----------|---|---------|
| 1,025,736 | Term Loan, 2.69%, Maturing July 20, 2012 | 953,935 |
|-----------|---|---------|

AMN Healthcare, Inc.

| | | |
|---------|--|---------|
| 252,518 | Term Loan, 2.97%, Maturing November 2, 2011 | 231,054 |
|---------|--|---------|

AMR HoldCo, Inc.

| | | |
|-----------|---|-----------|
| 1,096,127 | Term Loan, 2.47%, Maturing February 10, 2012 | 1,002,956 |
|-----------|---|-----------|

Biomet, Inc.

| | | |
|-----------|---|-----------|
| 1,787,178 | Term Loan, 4.15%, Maturing December 26, 2014 | 1,675,479 |
|-----------|---|-----------|

| | | |
|---------------|---|-----------|
| EUR 1,206,625 | Term Loan, 4.34%, Maturing December 26, 2014 | 1,464,775 |
|---------------|---|-----------|

Bright Horizons Family Solutions, Inc.

| | | |
|---------|--|---------|
| 942,875 | Term Loan, 7.50%, Maturing May 15, 2015 | 804,586 |
|---------|--|---------|

Cardinal Health 409, Inc.

| | | |
|-----------|--|-----------|
| 4,215,036 | Term Loan, 2.68%, Maturing April 10, 2014 | 2,967,386 |
|-----------|--|-----------|

Carestream Health, Inc.

| | | |
|-----------|--|-----------|
| 2,669,163 | Term Loan, 2.43%, Maturing April 30, 2013 | 2,316,833 |
|-----------|--|-----------|

| | | |
|-----------|--|---------|
| 1,000,000 | Term Loan - Second Lien, 5.68%, Maturing October 30, 2013 | 554,000 |
|-----------|--|---------|

Carl Zeiss Vision Holding GmbH

| | | |
|-----------|--|---------|
| 1,300,000 | Term Loan, 2.93%, Maturing March 23, 2015 | 457,980 |
|-----------|--|---------|

Community Health Systems, Inc.

| | | |
|---------|--|---------|
| 329,634 | | 298,357 |
|---------|--|---------|

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| | | | |
|--|-----------|---|-----------|
| | | Term Loan, 2.68%, Maturing July 25, 2014 | |
| | 6,458,990 | Term Loan, 3.45%, Maturing July 25, 2014 | 5,846,122 |
| Concentra, Inc. | | | |
| | 611,565 | Term Loan - Second Lien, 7.47%, Maturing June 25, 2015 ⁽²⁾ | 305,783 |
| ConMed Corp. | | | |
| | 466,889 | Term Loan, 1.93%, Maturing April 13, 2013 | 382,849 |
| Convatec Cidron Healthcare | | | |
| EUR | 745,885 | Term Loan, 5.25%, Maturing July 30, 2016 | 932,602 |
| CRC Health Corp. | | | |
| | 485,063 | Term Loan, 3.47%, Maturing February 6, 2013 | 351,670 |
| | 487,500 | Term Loan, 3.47%, Maturing February 6, 2013 | 353,438 |
| Dako EQT Project Delphi | | | |
| | 500,000 | Term Loan - Second Lien, 4.96%, Maturing December 12, 2016 | 187,500 |
| DaVita, Inc. | | | |
| | 547,997 | Term Loan, 2.20%, Maturing October 5, 2012 | 517,001 |
| DJO Finance, LLC | | | |
| | 790,000 | Term Loan, 3.77%, Maturing May 15, 2014 | 703,495 |
| Fenwal, Inc. | | | |
| | 500,000 | Term Loan - Second Lien, 6.51%, Maturing August 28, 2014 | 287,500 |
| Fresenius Medical Care Holdings | | | |
| | 494,103 | Term Loan, 2.61%, Maturing March 31, 2013 | 472,101 |
| Hanger Orthopedic Group, Inc. | | | |
| | 703,142 | Term Loan, 2.44%, Maturing May 30, 2013 | 641,617 |
| HCA, Inc. | | | |
| | 3,547,144 | Term Loan, 3.47%, Maturing November 18, 2013 | 3,210,165 |
| Health Management Association, Inc. | | | |
| | 3,190,878 | Term Loan, 2.97%, Maturing February 28, 2014 | 2,776,463 |
| HealthSouth Corp. | | | |
| | 2,299,819 | Term Loan, 2.96%, Maturing March 10, 2013 | 2,086,265 |
| Iasis Healthcare, LLC | | | |
| | 289,939 | Term Loan, 2.43%, Maturing March 14, 2014 | 258,191 |
| | 837,869 | Term Loan, 2.43%, Maturing March 14, 2014 | 746,122 |
| | 77,901 | | 69,371 |

Term Loan, 2.44%, Maturing
March 14, 2014

Ikaria Acquisition, Inc.

489,454 Term Loan, 3.03%, Maturing
March 28, 2013

417,259

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Eaton Vance Senior Floating-Rate Trust as of April 30, 2009

PORTFOLIO OF INVESTMENTS (Unaudited) CONT D

| Principal Amount* | Borrower/Tranche Description | Value |
|---|--|--------------|
| Healthcare (continued) | | |
| IM U.S. Holdings, LLC | | |
| 987,437 | Term Loan, 2.78%, Maturing June 26, 2014 | \$ 912,392 |
| 625,000 | Term Loan - Second Lien, 4.74%, Maturing June 26, 2015 | 543,750 |
| Invacare Corp. | | |
| 586,300 | Term Loan, 3.21%, Maturing February 12, 2013 | 517,410 |
| LifePoint Hospitals, Inc. | | |
| 2,063,187 | Term Loan, 2.89%, Maturing April 15, 2012 | 1,959,658 |
| MultiPlan Merger Corp. | | |
| 1,057,517 | Term Loan, 2.94%, Maturing April 12, 2013 | 931,937 |
| 1,478,832 | Term Loan, 2.94%, Maturing April 12, 2013 | 1,303,221 |
| Mylan, Inc. | | |
| 582,000 | Term Loan, 4.34%, Maturing October 2, 2014 | 554,679 |
| National Mentor Holdings, Inc. | | |
| 61,600 | Term Loan, 2.44%, Maturing June 29, 2013 | 41,991 |
| 1,009,844 | Term Loan, 3.22%, Maturing June 29, 2013 | 688,377 |
| National Renal Institutes, Inc. | | |
| 809,095 | Term Loan, 6.25%, Maturing March 31, 2013 ⁽²⁾ | 463,207 |
| Physiotherapy Associates, Inc. | | |
| 750,129 | Term Loan, 7.50%, Maturing June 27, 2013 | 425,073 |
| RadNet Management, Inc. | | |
| 537,630 | Term Loan, 5.06%, Maturing November 15, 2012 | 440,856 |
| ReAble Therapeutics Finance, LLC | | |
| 2,521,036 | Term Loan, 2.89%, Maturing November 16, 2013 | 2,306,748 |

Renal Advantage, Inc.

| | | |
|-----|---|-----|
| 838 | Term Loan, 3.72%, Maturing October 5, 2012 ⁽²⁾ | 754 |
|-----|---|-----|

Select Medical Holdings Corp.

| | | |
|-----------|--|-----------|
| 2,110,818 | Term Loan, 3.25%, Maturing February 24, 2012 | 1,876,517 |
|-----------|--|-----------|

Sunrise Medical Holdings, Inc.

| | | |
|---------|---|---------|
| 415,576 | Term Loan, 4.82%, Maturing May 13, 2010 | 218,178 |
|---------|---|---------|

Vanguard Health Holding Co., LLC

| | | |
|-----------|---|-----------|
| 2,144,262 | Term Loan, 2.68%, Maturing September 23, 2011 | 2,026,999 |
|-----------|---|-----------|

Viant Holdings, Inc.

| | | |
|---------|--|---------|
| 505,426 | Term Loan, 3.47%, Maturing June 25, 2014 | 381,596 |
|---------|--|---------|

\$ 51,208,214

Home Furnishings 2.2%

Hunter Fan Co.

| | | |
|---------|---|------------|
| 428,252 | Term Loan, 3.01%, Maturing April 16, 2014 | \$ 226,973 |
|---------|---|------------|

Interline Brands, Inc.

| | | |
|---------|--|---------|
| 679,130 | Term Loan, 2.12%, Maturing June 23, 2013 | 519,535 |
|---------|--|---------|

| | | |
|---------|--|---------|
| 935,541 | Term Loan, 2.12%, Maturing June 23, 2013 | 715,689 |
|---------|--|---------|

National Bedding Co., LLC

| | | |
|-----------|--|---------|
| 1,476,124 | Term Loan, 2.46%, Maturing August 31, 2011 | 870,913 |
|-----------|--|---------|

| | | |
|-----------|--|---------|
| 2,050,000 | Term Loan - Second Lien, 5.46%, Maturing August 31, 2012 | 729,800 |
|-----------|--|---------|

Sealy Mattress Co.

| | | |
|-----------|--|-----------|
| 2,700,000 | Term Loan, 5.67%, Maturing August 25, 2011 | 2,227,500 |
|-----------|--|-----------|

Simmons Co.

| | | |
|-----------|---|-----------|
| 2,799,380 | Term Loan, 10.50%, Maturing December 19, 2011 | 2,219,676 |
|-----------|---|-----------|

| | | |
|-----------|---|--------|
| 1,047,019 | Term Loan, 8.22%, Maturing February 15, 2012 ⁽²⁾ | 23,733 |
|-----------|---|--------|

\$ 7,533,819

Industrial Equipment 3.8%

Brand Energy and Infrastructure Services, Inc.

788,000 Term Loan, 4.49%, Maturing February 7,
2014 \$ 551,600

CEVA Group PLC U.S.

2,246,405 Term Loan, 3.43%, Maturing January 4,
2014 1,140,050

3,482,973 Term Loan, 3.44%, Maturing January 4,
2014 1,767,609

1,005,694 Term Loan, 4.22%, Maturing January 4,
2014 510,390

EPD Holdings (Goodyear Engineering Products)

146,582 Term Loan, 2.97%, Maturing July 13,
2014 74,268

1,023,477 Term Loan, 2.97%, Maturing July 13,
2014 518,562

775,000 Term Loan - Second Lien, 6.22%,
Maturing July 13, 2015 138,531

FR Brand Acquisition Corp.

735,000 Term Loan, 3.49%, Maturing February 7,
2014 499,800

Generac Acquisition Corp.

1,744,302 Term Loan, 3.00%, Maturing
November 7, 2013 1,143,971

500,000 Term Loan - Second Lien, 6.50%,
Maturing April 7, 2014 149,375

Gleason Corp.

138,408 Term Loan, 2.97%, Maturing June 30,
2013 117,993

568,403 Term Loan, 2.97%, Maturing June 30,
2013 484,564

Jason, Inc.

399,538 Term Loan, 3.73%, Maturing April 30,
2010 209,757

John Maneely Co.

2,680,324 Term Loan, 4.11%, Maturing
December 8, 2013 1,946,586

KION Group GmbH

250,000 Term Loan, 2.43%, Maturing
December 23, 2014 85,312

250,000 Term Loan, 2.93%, Maturing
December 23, 2015 85,313

Polypore, Inc.

2,972,063 Term Loan, 2.50%, Maturing July 3,
2014 2,555,974

Sequa Corp.

795,043 Term Loan, 3.74%, Maturing
November 30, 2014 504,852

TFS Acquisition Corp.

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| | | |
|---------|---|---------|
| 682,500 | Term Loan, 4.72%, Maturing August 11, 2013 | 315,656 |
|---------|---|---------|

\$ 12,800,163

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Eaton Vance Senior Floating-Rate Trust as of April 30, 2009

PORTFOLIO OF INVESTMENTS (Unaudited) CONT D

| Principal Amount* | Borrower/Tranche Description | Value |
|---|---|---------------------|
| Insurance | 2.8% | |
| AmWINS Group, Inc. | | |
| 989,924 | Term Loan, 3.77%, Maturing June 8, 2013 | \$ 596,429 |
| 500,000 | Term Loan - Second Lien, 6.79%, Maturing June 8, 2014 | 127,500 |
| Applied Systems, Inc. | | |
| 1,234,636 | Term Loan, 3.61%, Maturing September 26, 2013 | 1,067,960 |
| CCC Information Services Group, Inc. | | |
| 1,570,829 | Term Loan, 2.68%, Maturing February 10, 2013 | 1,390,184 |
| Conseco, Inc. | | |
| 3,437,470 | Term Loan, 6.50%, Maturing October 10, 2013 | 1,443,737 |
| Crawford & Company | | |
| 1,215,000 | Term Loan, 3.72%, Maturing October 31, 2013 | 1,026,675 |
| Crump Group, Inc. | | |
| 859,467 | Term Loan, 3.43%, Maturing August 4, 2014 | 644,601 |
| Hub International Holdings, Inc. | | |
| 499,511 | Term Loan, 3.72%, Maturing June 13, 2014 | 389,619 |
| 2,222,865 | Term Loan, 3.72%, Maturing June 13, 2014 | 1,733,835 |
| U.S.I. Holdings Corp. | | |
| 1,817,625 | Term Loan, 3.97%, Maturing May 4, 2014 | 1,269,307 |
| | | \$ 9,689,847 |

Leisure Goods/Activities/Movies 10.1%

| | | |
|---|---|--------------|
| 24 Hour Fitness Worldwide, Inc. | | |
| 1,624,750 | Term Loan, 3.31%, Maturing June 8, 2012 | \$ 1,072,335 |
| AMC Entertainment, Inc. | | |
| 2,803,832 | Term Loan, 1.94%, Maturing January 26, 2013 | 2,604,760 |
| AMF Bowling Worldwide, Inc. | | |
| 1,000,000 | Term Loan - Second Lien, 7.54%, Maturing December 8, 2013 | 150,000 |
| Bombardier Recreational Products | | |
| 1,822,785 | Term Loan, 3.95%, Maturing June 28, 2013 | 929,620 |
| Butterfly Wendel US, Inc. | | |
| 287,796 | Term Loan, 3.24%, Maturing June 22, 2013 | 175,916 |
| 287,890 | Term Loan, 2.74%, Maturing June 22, 2014 | 175,973 |
| Carmike Cinemas, Inc. | | |
| 721,656 | Term Loan, 5.19%, Maturing May 19, 2012 | 614,610 |
| 956,483 | Term Loan, 6.13%, Maturing May 19, 2012 | 814,605 |
| Cedar Fair, L.P. | | |
| 1,443,135 | Term Loan, 2.43%, Maturing August 30, 2012 | 1,314,455 |
| Cinemark, Inc. | | |
| 3,522,644 | Term Loan, 2.29%, Maturing October 5, 2013 | 3,295,141 |
| Deluxe Entertainment Services | | |
| 1,063,482 | Term Loan, 3.00%, Maturing January 28, 2011 | 765,707 |
| 59,055 | Term Loan, 3.47%, Maturing January 28, 2011 | 42,520 |
| 104,273 | Term Loan, 3.47%, Maturing January 28, 2011 | 75,077 |
| Easton-Bell Sports, Inc. | | |
| 1,227,717 | Term Loan, 2.85%, Maturing March 16, 2012 | 1,058,906 |
| Fender Musical Instruments Corp. | | |
| 333,046 | Term Loan, 2.76%, Maturing June 9, 2014 | 171,519 |
| 656,090 | Term Loan, 3.47%, Maturing June 9, 2014 | 337,886 |
| Mega Blocks, Inc. | | |
| 1,588,125 | Term Loan, 9.75%, Maturing July 26, 2012 | 555,844 |
| Metro-Goldwyn-Mayer Holdings, Inc. | | |
| 4,823,432 | Term Loan, 3.68%, Maturing April 8, 2012 | 2,365,493 |
| National CineMedia, LLC | | |

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| | | |
|--|---|----------------------|
| 2,750,000 | Term Loan, 3.08%, Maturing February 13, 2015 | 2,450,938 |
| Regal Cinemas Corp. | | |
| 4,436,098 | Term Loan, 4.97%, Maturing November 10, 2010 | 4,287,072 |
| Revolution Studios Distribution Co., LLC | | |
| 1,023,881 | Term Loan, 4.18%, Maturing December 21, 2014 | 834,463 |
| 800,000 | Term Loan - Second Lien, 7.43%, Maturing June 21, 2015 | 240,000 |
| Six Flags Theme Parks, Inc. | | |
| 1,105,002 | Term Loan, 3.37%, Maturing April 30, 2015 | 839,801 |
| Southwest Sports Group, LLC | | |
| 1,875,000 | Term Loan, 5.75%, Maturing December 22, 2010 | 1,092,188 |
| Ticketmaster | | |
| 1,750,000 | Term Loan, 4.23%, Maturing July 22, 2014 | 1,627,500 |
| Universal City Development Partners, Ltd. | | |
| 1,721,345 | Term Loan, 6.00%, Maturing June 9, 2011 | 1,641,733 |
| WMG Acquisition Corp. | | |
| 875,000 | Revolving Loan, 0.00%, Maturing February 28, 2010 ⁽⁴⁾ | 787,500 |
| 3,325,879 | Term Loan, 2.80%, Maturing February 28, 2011 | 3,078,101 |
| Zuffa, LLC | | |
| 1,351,581 | Term Loan, 2.50%, Maturing June 20, 2016 | 1,115,054 |
| | | \$ 34,514,717 |

Lodging and Casinos 1.9%

Ameristar Casinos, Inc.

| | | |
|-----------|---|------------|
| 1,064,250 | Term Loan, 3.26%, Maturing November 10, 2012 | \$ 957,825 |
|-----------|---|------------|

LodgeNet Entertainment Corp.

| | | |
|-----------|---|-----------|
| 2,160,792 | Term Loan, 3.16%, Maturing April 4, 2014 | 1,519,756 |
|-----------|---|-----------|

New World Gaming Partners, Ltd.

| | | |
|-----------|---|---------|
| 204,167 | Term Loan, 3.71%, Maturing June 30, 2014 | 101,062 |
| 1,008,073 | Term Loan, 3.71%, Maturing June 30, 2014 | 498,996 |

Penn National Gaming, Inc.

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| | | |
|---|--|-----------|
| 370,978 | Term Loan, 2.34%, Maturing October 3, 2012 | 348,101 |
| Venetian Casino Resort/Las Vegas Sands, Inc. | | |
| 858,513 | Term Loan, 2.18%, Maturing May 14, 2014 | 523,302 |
| 3,399,450 | Term Loan, 2.18%, Maturing May 23, 2014 | 2,072,118 |

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Eaton Vance Senior Floating-Rate Trust as of April 30, 2009

PORTFOLIO OF INVESTMENTS (Unaudited) CONT D

| Principal Amount* | Borrower/Tranche Description | Value |
|--|---|---------------------|
| Lodging and Casinos (continued) | | |
| Wimar OpCo, LLC | | |
| 1,883,308 | Term Loan, 6.50%, Maturing January 3, 2012 | \$ 522,618 |
| | | \$ 6,543,778 |
| Nonferrous Metals / Minerals 1.9% | | |
| Alpha Natural Resources, LLC | | |
| 815,937 | Term Loan, 2.75%, Maturing October 26, 2012 | \$ 754,742 |
| Euramax International, Inc. | | |
| 583,289 | Term Loan, 0.00%, Maturing June 28, 2012 ⁽³⁾ | 139,989 |
| 249,928 | Term Loan - Second Lien, 0.00%, Maturing June 28, 2013 ⁽³⁾ | 11,247 |
| 503,822 | Term Loan - Second Lien, 0.00%, Maturing June 28, 2013 ⁽³⁾ | 22,672 |
| Murray Energy Corp. | | |
| 853,160 | Term Loan, 6.94%, Maturing January 28, 2010 | 810,502 |
| Noranda Aluminum Acquisition | | |
| 2,091,859 | Term Loan, 2.45%, Maturing May 18, 2014 | 1,187,130 |
| Novelis, Inc. | | |
| 621,738 | Term Loan, 2.43%, Maturing June 28, 2014 | 447,341 |
| 1,367,837 | Term Loan, 3.22%, Maturing June 28, 2014 | 984,159 |
| Oxbow Carbon and Mineral Holdings | | |
| 209,788 | Term Loan, 2.43%, Maturing May 8, 2014 | 183,915 |

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| | | |
|--------------------------------------|--|---------------------|
| 2,200,267 | Term Loan, 2.75%, Maturing May 8, 2014 | 1,928,901 |
| | | \$ 6,470,598 |
| Oil and Gas 2.6% | | |
| Atlas Pipeline Partners, L.P. | | |
| 1,500,000 | Term Loan, 3.18%, Maturing July 20, 2014 | \$ 1,398,750 |
| Big West Oil, LLC | | |
| 317,188 | Term Loan, 4.50%, Maturing May 1, 2014 | 256,922 |
| 398,750 | Term Loan, 4.50%, Maturing May 1, 2014 | 322,988 |
| Dresser, Inc. | | |
| 1,431,601 | Term Loan, 3.45%, Maturing May 4, 2014 | 1,232,966 |
| 1,000,000 | Term Loan - Second Lien, 6.99%, Maturing May 4, 2015 | 557,500 |
| Dynegy Holdings, Inc. | | |
| 112,376 | Term Loan, 1.93%, Maturing April 2, 2013 | 100,822 |
| 1,385,342 | Term Loan, 1.93%, Maturing April 2, 2013 | 1,242,912 |
| Enterprise GP Holdings, L.P. | | |
| 1,113,750 | Term Loan, 3.12%, Maturing October 31, 2014 | 1,052,494 |
| Niska Gas Storage | | |
| 41,486 | Term Loan, 2.20%, Maturing May 13, 2011 | 37,683 |
| 61,244 | Term Loan, 2.21%, Maturing May 13, 2011 | 55,630 |
| 595,637 | Term Loan, 2.21%, Maturing May 12, 2013 | 541,037 |
| Targa Resources, Inc. | | |
| 944,269 | Term Loan, 2.44%, Maturing October 31, 2012 | 826,910 |
| 1,365,968 | Term Loan, 2.44%, Maturing October 31, 2012 | 1,196,197 |
| | | \$ 8,822,811 |

Publishing 7.9%

American Media Operations, Inc.

| | | |
|-----------|---|--------------|
| 4,155,025 | Term Loan, 10.00%, Maturing January 31, 2013 | \$ 2,298,248 |
|-----------|---|--------------|

Aster Zweite Beteiligungs GmbH

| | | |
|---------|--|---------|
| 775,000 | Term Loan, 4.01%, Maturing September 27, 2013 | 407,521 |
|---------|--|---------|

CanWest MediaWorks, Ltd.

| | | |
|---------|---|---------|
| 786,000 | Term Loan, 3.26%, Maturing July 10, 2014 | 310,470 |
|---------|---|---------|

Dex Media West, LLC

| | | |
|-----------|---|-----------|
| 2,870,000 | Term Loan, 0.00%, Maturing October 24, 2014 ⁽³⁾ | 1,942,631 |
|-----------|---|-----------|

GateHouse Media Operating, Inc.

| | | |
|-----------|---|---------|
| 2,078,261 | Term Loan, 2.44%, Maturing August 28, 2014 | 525,503 |
|-----------|---|---------|

| | | |
|---------|---|---------|
| 871,739 | Term Loan, 2.47%, Maturing August 28, 2014 | 220,425 |
|---------|---|---------|

| | | |
|---------|---|---------|
| 675,000 | Term Loan, 2.72%, Maturing August 28, 2014 | 170,678 |
|---------|---|---------|

Idearc, Inc.

| | | |
|-----------|--|-----------|
| 7,081,995 | Term Loan, 0.00%, Maturing November 17, 2014 ⁽³⁾ | 2,786,567 |
|-----------|--|-----------|

Laureate Education, Inc.

| | | |
|---------|---|---------|
| 349,843 | Term Loan, 4.34%, Maturing August 17, 2014 | 259,584 |
|---------|---|---------|

| | | |
|-----------|---|-----------|
| 2,337,692 | Term Loan, 4.34%, Maturing August 17, 2014 | 1,734,567 |
|-----------|---|-----------|

Local Insight Regatta Holdings, Inc.

| | | |
|-----------|--|---------|
| 1,634,981 | Term Loan, 7.75%, Maturing April 23, 2015 | 766,397 |
|-----------|--|---------|

MediaNews Group, Inc.

| | | |
|---------|--|---------|
| 703,000 | Term Loan, 7.72%, Maturing August 2, 2013 | 138,257 |
|---------|--|---------|

Mediannuaire Holding

| | | |
|-------------|--|---------|
| EUR 500,000 | Term Loan - Second Lien, 5.91%, Maturing April 10, 2016 | 146,368 |
|-------------|--|---------|

Merrill Communications, LLC

| | | |
|-----------|--|---------|
| 1,270,282 | Term Loan, 3.50%, Maturing August 9, 2009 | 835,210 |
|-----------|--|---------|

| | | |
|-----------|---|---------|
| 1,000,000 | Term Loan - Second Lien, 7.76%, Maturing November 15, 2013 | 275,000 |
|-----------|---|---------|

Nebraska Book Co., Inc.

| | | |
|-----------|---|-----------|
| 1,376,751 | Term Loan, 7.77%, Maturing March 4, 2011 | 1,252,844 |
|-----------|---|-----------|

Nelson Education, Ltd.

| | | |
|---------|--|---------|
| 492,500 | Term Loan, 3.72%, Maturing July 5, 2014 | 307,812 |
|---------|--|---------|

Nielsen Finance, LLC

| | | |
|---------|--|---------|
| 782,540 | | 665,515 |
|---------|--|---------|

| | | |
|--|---|-----------|
| | Term Loan, 2.47%, Maturing August 9, 2013 | |
| Philadelphia Newspapers, LLC | | |
| 708,076 | Term Loan, 0.00%, Maturing June 29, 2013 ⁽³⁾ | 174,659 |
| R.H. Donnelley Corp. | | |
| 2,795,298 | Term Loan, 6.75%, Maturing June 30, 2010 | 1,893,814 |
| Reader s Digest Association, Inc. (The) | | |
| 6,734,000 | Term Loan, 3.29%, Maturing March 2, 2014 | 2,306,395 |

See notes to financial statements

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Eaton Vance Senior Floating-Rate Trust as of April 30, 2009

PORTFOLIO OF INVESTMENTS (Unaudited) CONT D

| Principal Amount* | Borrower/Tranche Description | Value |
|---|---|----------------------|
| Publishing (continued) | | |
| SGS International, Inc. | | |
| 633,572 | Term Loan, 4.02%, Maturing December 30, 2011 | \$ 491,018 |
| Source Interlink Companies, Inc. | | |
| 1,984,887 | Term Loan, 0.00%, Maturing August 1, 2014 ⁽³⁾ | 793,955 |
| Trader Media Corp. | | |
| GBP 1,334,000 | Term Loan, 3.03%, Maturing March 23, 2015 | 1,123,881 |
| Tribune Co. | | |
| 1,546,802 | Term Loan, 0.00%, Maturing August 17, 2009 ⁽³⁾ | 451,666 |
| 1,935,388 | Term Loan, 0.00%, Maturing May 17, 2014 ⁽³⁾ | 567,916 |
| 2,989,950 | Term Loan, 0.00%, Maturing May 17, 2014 ⁽³⁾ | 771,159 |
| Xsys, Inc. | | |
| 1,856,807 | Term Loan, 4.01%, Maturing September 27, 2013 | 976,371 |
| 1,896,271 | Term Loan, 4.01%, Maturing September 27, 2014 | 997,122 |
| Yell Group, PLC | | |
| 2,600,000 | Term Loan, 3.43%, Maturing February 10, 2013 | 1,341,785 |
| | | \$ 26,933,338 |

Radio and Television 4.9%

Block Communications, Inc.

| | | |
|---------|--|------------|
| 822,375 | Term Loan, 3.22%, Maturing December 22, 2011 | \$ 686,683 |
|---------|--|------------|

| | | |
|---------------------------------------|--|-----------|
| Citadel Broadcasting Corp. | | |
| 1,000,000 | Term Loan, 2.95%, Maturing June 12, 2014 | 413,750 |
| CMP KC, LLC | | |
| 961,188 | Term Loan, 4.50%, Maturing May 5, 2013 ⁽⁵⁾ | 275,861 |
| CMP Susquehanna Corp. | | |
| 1,655,582 | Term Loan, 2.48%, Maturing May 5, 2013 | 723,973 |
| Emmis Operating Co. | | |
| 763,996 | Term Loan, 3.08%, Maturing November 2, 2013 | 441,208 |
| Gray Television, Inc. | | |
| 1,089,435 | Term Loan, 4.00%, Maturing January 19, 2015 | 482,075 |
| HIT Entertainment, Inc. | | |
| 750,335 | Term Loan, 3.49%, Maturing March 20, 2012 | 408,932 |
| Intelsat Corp. | | |
| 2,453,042 | Term Loan, 2.99%, Maturing January 3, 2014 | 2,245,897 |
| 2,453,042 | Term Loan, 2.99%, Maturing January 3, 2014 | 2,245,897 |
| 2,453,787 | Term Loan, 2.99%, Maturing January 3, 2014 | 2,246,579 |
| NEP II, Inc. | | |
| 612,492 | Term Loan, 2.69%, Maturing February 16, 2014 | 523,681 |
| Nexstar Broadcasting, Inc. | | |
| 1,671,946 | Term Loan, 2.79%, Maturing October 1, 2012 | 1,036,607 |
| 1,767,487 | Term Loan, 2.97%, Maturing October 1, 2012 | 1,095,842 |
| NextMedia Operating, Inc. | | |
| 68,108 | Term Loan, 5.25%, Maturing November 15, 2012 | 33,600 |
| 153,244 | Term Loan, 6.25%, Maturing November 15, 2012 | 75,600 |
| Paxson Communications Corp. | | |
| 2,500,000 | Term Loan, 0.00%, Maturing January 15, 2012 ⁽³⁾ | 628,908 |
| Raycom TV Broadcasting, LLC | | |
| 875,000 | Term Loan, 2.00%, Maturing June 25, 2014 | 656,250 |
| SFX Entertainment | | |
| 1,052,465 | Term Loan, 4.14%, Maturing June 21, 2013 | 894,595 |
| Sirius Satellite Radio, Inc. | | |
| 492,500 | Term Loan, 2.69%, Maturing December 19, 2012 | 396,463 |
| Univision Communications, Inc. | | |

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| | | |
|---------------------------------|--|----------------------|
| 1,200,000 | Term Loan, 2.68%, Maturing September 29, 2014 | 738,300 |
| Young Broadcasting, Inc. | | |
| 709,275 | Term Loan, 4.75%, Maturing November 3, 2012 | 278,390 |
| | | \$ 16,529,091 |

Rail Industries 0.9%

| | | |
|---|---|---------------------|
| Kansas City Southern Railway Co. | | |
| 1,969,312 | Term Loan, 2.75%, Maturing April 26, 2013 | \$ 1,718,225 |
| Rail America, Inc. | | |
| 94,240 | Term Loan, 5.20%, Maturing August 14, 2009 | 84,345 |
| 1,455,760 | Term Loan, 5.20%, Maturing August 13, 2010 | 1,302,905 |
| | | \$ 3,105,475 |

Retailers (Except Food and Drug) 3.6%

| | | |
|---------------------------------------|---|------------|
| American Achievement Corp. | | |
| 211,701 | Term Loan, 2.70%, Maturing March 25, 2011 | \$ 182,063 |
| Amscan Holdings, Inc. | | |
| 490,000 | Term Loan, 3.65%, Maturing May 25, 2013 | 421,400 |
| Cumberland Farms, Inc. | | |
| 1,529,055 | Term Loan, 2.82%, Maturing September 29, 2013 | 1,253,825 |
| Educate, Inc. | | |
| 500,000 | Term Loan - Second Lien, 6.47%, Maturing June 14, 2014 | 287,500 |
| FTD, Inc. | | |
| 1,442,750 | Term Loan, 6.75%, Maturing July 31, 2014 | 1,240,765 |
| Harbor Freight Tools USA, Inc. | | |
| 423,927 | Term Loan, 9.58%, Maturing July 15, 2010 | 340,202 |
| Josten s Corp. | | |
| 1,509,741 | | 1,415,382 |

| | | |
|-----------------------------------|--|-----------|
| | Term Loan, 2.50%, Maturing October 4, 2011 | |
| Orbitz Worldwide, Inc. | | |
| 1,162,300 | Term Loan, 3.97%, Maturing July 25, 2014 | 428,113 |
| Oriental Trading Co., Inc. | | |
| 2,553,944 | Term Loan, 7.50%, Maturing July 31, 2013 | 1,522,151 |
| 1,125,000 | Term Loan - Second Lien, 6.43%, Maturing January 31, 2013 | 243,281 |
| Rover Acquisition Corp. | | |
| 2,199,375 | Term Loan, 3.16%, Maturing October 26, 2013 | 1,988,235 |

See notes to financial statements

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Eaton Vance Senior Floating-Rate Trust as of April 30, 2009

PORTFOLIO OF INVESTMENTS (Unaudited) CONT D

| Principal Amount* | Borrower/Tranche Description | Value |
|--|---|----------------------|
| Retailers (Except Food and Drug) (continued) | | |
| Savers, Inc. | | |
| 334,074 | Term Loan, 3.25%, Maturing August 11, 2012 | \$ 290,644 |
| 365,502 | Term Loan, 3.25%, Maturing August 11, 2012 | 317,987 |
| Yankee Candle Company, Inc. (The) | | |
| 2,958,391 | Term Loan, 3.21%, Maturing February 6, 2014 | 2,479,502 |
| | | \$ 12,411,050 |
| Steel 0.5% | | |
| Algoma Acquisition Corp. | | |
| 1,038,164 | Term Loan, 2.93%, Maturing June 20, 2013 | \$ 602,135 |
| Niagara Corp. | | |
| 1,994,500 | Term Loan, 5.60%, Maturing June 29, 2014 | 1,121,906 |
| | | \$ 1,724,041 |
| Surface Transport 0.4% | | |
| Gainey Corp. | | |
| 1,217,425 | Term Loan, 0.00%, Maturing April 20, 2012 ⁽³⁾ | \$ 138,786 |
| Oshkosh Truck Corp. | | |

| | | |
|---|--|---------------------|
| 794,217 | Term Loan, 7.24%, Maturing December 6, 2013 | 655,725 |
| Swift Transportation Co., Inc. | | |
| 804,039 | Term Loan, 3.81%, Maturing May 10, 2014 | 493,982 |
| | | \$ 1,288,493 |
| Telecommunications 6.0% | | |
| Alaska Communications Systems Holdings, Inc. | | |
| 985,347 | Term Loan, 2.97%, Maturing February 1, 2012 | \$ 906,027 |
| Asurion Corp. | | |
| 1,900,000 | Term Loan, 3.78%, Maturing July 13, 2012 | 1,659,650 |
| 1,000,000 | Term Loan - Second Lien, 6.97%, Maturing January 13, 2013 | 770,000 |
| Centennial Cellular Operating Co., LLC | | |
| 4,445,833 | Term Loan, 3.22%, Maturing February 9, 2011 | 4,410,107 |
| CommScope, Inc. | | |
| 1,767,528 | Term Loan, 3.57%, Maturing November 19, 2014 | 1,571,995 |
| FairPoint Communications, Inc. | | |
| 4,414,021 | Term Loan, 5.75%, Maturing March 31, 2015 | 2,231,535 |
| Intelsat Subsidiary Holding Co. | | |
| 950,625 | Term Loan, 2.99%, Maturing July 3, 2013 | 876,476 |
| Iowa Telecommunications Services | | |
| 1,616,000 | Term Loan, 2.89%, Maturing November 23, 2011 | 1,482,680 |
| IPC Systems, Inc. | | |
| 500,000 | Term Loan - Second Lien, 6.50%, Maturing May 31, 2015 | 98,334 |
| Macquarie UK Broadcast Ventures, Ltd. | | |
| GBP 754,894 | Term Loan, 2.85%, Maturing December 26, 2014 | 789,171 |
| NTelos, Inc. | | |
| 1,156,777 | Term Loan, 2.68%, Maturing August 24, 2011 | 1,102,987 |
| Palm, Inc. | | |
| 763,375 | Term Loan, 3.94%, Maturing April 24, 2014 | 486,652 |
| Stratos Global Corp. | | |
| 976,500 | | 932,557 |

| | | | |
|---------------------------------------|-----------|---|----------------------|
| | | Term Loan, 3.72%, Maturing February 13, 2012 | |
| Trilogy International Partners | 850,000 | Term Loan, 4.72%, Maturing June 29, 2012 | 361,250 |
| Windstream Corp. | 3,035,833 | Term Loan, 2.07%, Maturing July 17, 2013 | 2,848,464 |
| | | | \$ 20,527,885 |

Utilities 1.8%

| | | | |
|---|-------------|---|---------------------|
| AEI Finance Holding, LLC | 269,751 | Term Loan, 3.44%, Maturing March 30, 2012 | \$ 175,338 |
| | 1,901,311 | Term Loan, 4.22%, Maturing March 30, 2014 | 1,235,852 |
| Astoria Generating Co. | 1,000,000 | Term Loan - Second Lien, 4.20%, Maturing August 23, 2013 | 858,750 |
| BRSP, LLC | 1,658,831 | Term Loan, 5.55%, Maturing July 13, 2009 | 1,368,535 |
| Electricinvest Holding Co. | GBP 480,000 | Term Loan, 5.40%, Maturing December 21, 2012 | 465,818 |
| | EUR 476,616 | Term Loan - Second Lien, 5.50%, Maturing December 21, 2012 | 414,101 |
| Pike Electric, Inc. | 146,240 | Term Loan, 2.00%, Maturing July 1, 2012 | 134,541 |
| | 339,771 | Term Loan, 2.00%, Maturing December 10, 2012 | 312,590 |
| TXU Texas Competitive Electric Holdings Co., LLC | 338,522 | Term Loan, 3.97%, Maturing October 10, 2014 | 229,541 |
| | 1,332,276 | Term Loan, 3.97%, Maturing October 10, 2014 | 905,191 |
| | | | \$ 6,100,257 |

| | |
|---|-----------------------|
| Total Senior Floating-Rate Interests (identified cost \$681,677,830) | \$ 495,791,757 |
|---|-----------------------|

Corporate Bonds & Notes 8.7%

**Principal
Amount***

(000 s omitted)

Security

Value

Aerospace and Defense 0.0%

Alion Science and Technologies Corp.

145 10.25%, 2/1/15

\$ 36,250

See notes to financial statements

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Eaton Vance Senior Floating-Rate Trust as of April 30, 2009

PORTFOLIO OF INVESTMENTS (Unaudited) CONT D

| Principal Amount* (000 s omitted) | Security | Value |
|---|--|-------------------|
| Aerospace and Defense (continued) | | |
| | Hawker Beechcraft Acquisition | |
| 125 | 9.75%, 4/1/17 | \$ 31,250 |
| | Vought Aircraft Industries, Inc., Sr. Notes | |
| 85 | 8.00%, 7/15/11 | 35,063 |
| | | \$ 102,563 |
| | | |
| Air Transport 0.1% | | |
| | Continental Airlines | |
| 207 | 7.033%, 6/15/11 | \$ 169,802 |
| | | \$ 169,802 |
| | | |
| Automotive 0.1% | | |
| | Altra Industrial Motion, Inc. | |
| 335 | 9.00%, 12/1/11 | \$ 309,037 |
| | Commercial Vehicle Group, Inc., Sr. Notes | |
| 100 | 8.00%, 7/1/13 | 31,500 |
| | Tenneco, Inc., Sr. Notes | |
| 40 | 8.125%, 11/15/15 | 16,200 |
| | | \$ 356,737 |

Broadcast Radio and Television 0.0%

Warner Music Group, Sr. Sub. Notes

85 7.375%, 4/15/14 \$ 63,750

\$ 63,750

Brokers, Dealers and Investment Houses 0.0%

Nuveen Investments, Inc., Sr. Notes

115 10.50%, 11/15/15⁽⁶⁾ \$ 58,650

\$ 58,650

Building and Development 0.6%

Grohe Holding GMBH, Variable Rate

EUR 2,000 4.31%, 1/15/14 \$ 1,455,410

Panolam Industries International, Sr. Sub. Notes

425 10.75%, 10/1/13⁽³⁾ 23,375

Texas Industries Inc., Sr. Notes

115 7.25%, 7/15/13⁽⁶⁾ 94,012

Wintergames Acquisition ULC

885 7.82%, 10/31/09 597,346

\$ 2,170,143

Business Equipment and Services 0.4%

Affinion Group, Inc.

95 10.125%, 10/15/13 \$ 81,700

205 11.50%, 10/15/15 148,625

Ceridian Corp., Sr. Notes

275 11.25%, 11/15/15⁽⁶⁾ 202,125

Education Management, LLC, Sr. Notes

415 8.75%, 6/1/14 403,587

MediMedia USA, Inc., Sr. Sub. Notes

170 11.375%, 11/15/14⁽⁶⁾ 111,350

Ticketmaster, Sr. Notes

185 10.75%, 7/28/16⁽⁶⁾ 127,188

Travelport, LLC

60 9.875%, 9/1/14 29,700

West Corp.

380 9.50%, 10/15/14 331,550

\$ 1,435,825

Cable and Satellite Television 0.1%

Cablevision Systems Corp., Sr. Notes, Series B

50 8.00%, 4/15/12 \$ 50,000

Kabel Deutschland GmbH

190 10.625%, 7/1/14 194,750

MCC Iowa, LLC

120 8.50%, 10/15/15 113,400

National Cable PLC

40 8.75%, 4/15/14 39,800

\$ 397,950

Chemicals and Plastics 0.1%

CII Carbon, LLC

185 11.125%, 11/15/15⁽⁶⁾ \$ 108,225

Nova Chemicals Corp., Sr. Notes, Variable Rate

195 5.72%, 11/15/13 154,050

Reichhold Industries, Inc., Sr. Notes

445 9.00%, 8/15/14⁽⁶⁾ 82,325

Wellman Holdings, Inc., Sr. Sub. Notes

438 5.00%, 1/29/19⁽⁵⁾ 129,955

\$ 474,555

Clothing/Textiles 0.4%

Levi Strauss & Co., Sr. Notes

505 9.75%, 1/15/15 \$ 479,750

75 8.875%, 4/1/16

66,750

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Eaton Vance Senior Floating-Rate Trust as of April 30, 2009

PORTFOLIO OF INVESTMENTS (Unaudited) CONT D

| Principal Amount* (000 s omitted) | Security | Value |
|---|---|---------------------|
| Clothing/Textiles (continued) | | |
| | Oxford Industries, Inc., Sr. Notes | |
| 490 | 8.875%, 6/1/11 | \$ 409,150 |
| | Perry Ellis International, Inc., Sr. Sub. Notes | |
| 360 | 8.875%, 9/15/13 | 246,600 |
| | | \$ 1,202,250 |
| Conglomerates 0.1% | | |
| | RBS Global & Rexnord Corp. | |
| 155 | 11.75%, 8/1/16 | \$ 93,775 |
| 175 | 8.875%, 9/1/16 | 125,125 |
| | | \$ 218,900 |
| Containers and Glass Products 0.6% | | |
| | Berry Plastics Corp., Sr. Notes, Variable Rate | |
| 2,000 | 5.881%, 2/15/15 | \$ 1,750,000 |
| | Intertape Polymer US, Inc., Sr. Sub. Notes | |
| 310 | 8.50%, 8/1/14 | 127,100 |
| | Pliant Corp. | |
| 345 | 11.625%, 6/15/09 ⁽²⁾⁽³⁾ | 123,915 |
| | Smurfit-Stone Container Enterprises, Inc., Sr. Notes | |
| 300 | 8.00%, 3/15/17 ⁽³⁾ | 66,000 |
| | Solo Cup Co. | |

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| | | |
|---|------------------------------|---------------------|
| 25 | 8.50%, 2/15/14 | 21,125 |
| Stone Container Corp., Sr. Notes | | |
| 45 | 8.38%, 7/1/12 ⁽³⁾ | 9,675 |
| | | \$ 2,097,815 |

Ecological Services and Equipment 0.2%

| | | |
|--|--------------------------------|-------------------|
| Environmental Systems Products Holdings, Inc. Jr. Notes | | |
| 373 | 18.00%, 3/31/15 ⁽⁵⁾ | \$ 298,205 |
| Waste Services, Inc., Sr. Sub. Notes | | |
| 440 | 9.50%, 4/15/14 | 385,000 |
| | | \$ 683,205 |

Electronics/Electrical 0.3%

| | | |
|--|------------------|-------------------|
| Advanced Micro Devices, Inc., Sr. Notes | | |
| 220 | 7.75%, 11/1/12 | \$ 126,500 |
| Amkor Technologies, Inc., Sr. Notes | | |
| 40 | 7.125%, 3/15/11 | 39,350 |
| 50 | 7.75%, 5/15/13 | 45,250 |
| 190 | 9.25%, 6/1/16 | 166,250 |
| Avago Technologies Finance | | |
| 170 | 10.125%, 12/1/13 | 164,050 |
| 215 | 11.875%, 12/1/15 | 188,663 |
| NXP BV/NXP Funding, LLC, Variable Rate | | |
| 775 | 3.881%, 10/15/13 | 223,781 |
| | | \$ 953,844 |

Equipment Leasing 0.0%

| | | |
|--------------------|----------------|------------------|
| Hertz Corp. | | |
| 25 | 8.875%, 1/1/14 | \$ 19,500 |
| | | \$ 19,500 |

Financial Intermediaries 0.1%

Ford Motor Credit Co., Sr. Notes

230 8.00%, 12/15/16 \$ 175,679

General Motors Acceptance Corp., Variable Rate

110 2.488%, 5/15/09 108,762

\$ 284,441

Food Products 0.1%

ASG Consolidated, LLC/ASG Finance, Inc., Sr. Disc. Notes

520 11.50%, 11/1/11 \$ 447,200

\$ 447,200

Food Service 0.2%

Aramark Services, Inc.

85 8.50%, 2/1/15 \$ 81,600

El Pollo Loco, Inc.

370 11.75%, 11/15/13 286,750

NPC International, Inc., Sr. Sub. Notes

340 9.50%, 5/1/14 306,000

\$ 674,350

Food/Drug Retailers 0.3%

General Nutrition Center, Sr. Notes, Variable Rate

665 6.429%, 3/15/14⁽²⁾ \$ 508,725

General Nutrition Center, Sr. Sub. Notes

385 10.75%, 3/15/15 308,000

\$ 816,725

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Eaton Vance Senior Floating-Rate Trust as of April 30, 2009

PORTFOLIO OF INVESTMENTS (Unaudited) CONT D

| Principal Amount* (000 s omitted) | Security | Value |
|---|---------------------------------|-------------------|
| Forest Products | 0.2% | |
| Jefferson Smurfit Corp., Sr. Notes | | |
| 90 | 8.25%, 10/1/12 ⁽³⁾ | \$ 19,350 |
| 75 | 7.50%, 6/1/13 ⁽³⁾ | 14,625 |
| NewPage Corp. | | |
| 520 | 10.00%, 5/1/12 | 247,000 |
| 285 | 12.00%, 5/1/13 | 78,375 |
| NewPage Corp., Variable Rate | | |
| 135 | 7.42%, 5/1/12 | 58,725 |
| Verso Paper Holdings, LLC/Verso Paper, Inc. | | |
| 265 | 11.375%, 8/1/16 | 63,600 |
| | | \$ 481,675 |
| | | |
| Healthcare | 0.7% | |
| Accellent, Inc. | | |
| 285 | 10.50%, 12/1/13 | \$ 216,600 |
| AMR HoldCo, Inc./EmCare HoldCo, Inc., Sr. Sub. Notes | | |
| 325 | 10.00%, 2/15/15 | 331,500 |
| DJO Finance, LLC/DJO Finance Corp. | | |
| 190 | 10.875%, 11/15/14 | 146,300 |
| HCA, Inc. | | |
| 70 | 9.125%, 11/15/14 | 69,475 |
| 115 | 9.25%, 11/15/16 | 114,138 |
| MultiPlan, Inc., Sr. Sub. Notes | | |
| 485 | 10.375%, 4/15/16 ⁽⁶⁾ | 429,225 |
| National Mentor Holdings, Inc. | | |
| 290 | 11.25%, 7/1/14 | 256,650 |
| Res-Care, Inc., Sr. Notes | | |
| 195 | 7.75%, 10/15/13 | 175,987 |
| US Oncology, Inc. | | |

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| | | |
|-----|-----------------|---------|
| 265 | 9.00%, 8/15/12 | 262,350 |
| 515 | 10.75%, 8/15/14 | 480,237 |

\$ 2,482,462

Home Furnishings 0.0%

Interline Brands, Inc., Sr. Sub. Notes

| | | |
|-----|-----------------|------------|
| 115 | 8.125%, 6/15/14 | \$ 110,400 |
|-----|-----------------|------------|

\$ 110,400

Industrial Equipment 0.1%

Chart Industries, Inc., Sr. Sub. Notes

| | | |
|-----|------------------|------------|
| 195 | 9.125%, 10/15/15 | \$ 153,075 |
|-----|------------------|------------|

ESCO Corp., Sr. Notes

| | | |
|-----|---------------------------------|---------|
| 145 | 8.625%, 12/15/13 ⁽⁶⁾ | 118,175 |
|-----|---------------------------------|---------|

ESCO Corp., Sr. Notes, Variable Rate

| | | |
|-----|---------------------------------|--------|
| 145 | 5.201%, 12/15/13 ⁽⁶⁾ | 97,875 |
|-----|---------------------------------|--------|

\$ 369,125

Insurance 0.0%

Alliant Holdings I, Inc.

| | | |
|-----|-------------------------------|-----------|
| 100 | 11.00%, 5/1/15 ⁽⁶⁾ | \$ 69,500 |
|-----|-------------------------------|-----------|

\$ 69,500

Leisure Goods/Activities/Movies 0.3%

Bombardier, Inc.

| | | |
|-----|--------------------------------|------------|
| 130 | 8.00%, 11/15/14 ⁽⁶⁾ | \$ 114,400 |
|-----|--------------------------------|------------|

| | | |
|---|---------------------------------|---------------------|
| HRP Myrtle Beach Operations, LLC/HRP Myrtle Beach Capital Corp., | | |
| Variable Rate | | |
| 360 | 0.00%, 4/1/12 ⁽³⁾⁽⁶⁾ | 5,400 |
| Marquee Holdings, Inc., Sr. Disc. Notes | | |
| 665 | 9.505%, 8/15/14 | 520,362 |
| Royal Caribbean Cruises, Sr. Notes | | |
| 95 | 7.00%, 6/15/13 | 74,100 |
| 35 | 6.875%, 12/1/13 | 26,250 |
| 25 | 7.25%, 6/15/16 | 16,750 |
| 50 | 7.25%, 3/15/18 | 32,000 |
| Universal City Development Partners, Sr. Notes | | |
| 240 | 11.75%, 4/1/10 | 228,000 |
| | | \$ 1,017,262 |

Lodging and Casinos 0.9%

| | | |
|---|-----------------------------------|-----------|
| Buffalo Thunder Development Authority | | |
| 480 | 9.375%, 12/15/14 ⁽⁶⁾ | \$ 52,800 |
| CCM Merger, Inc. | | |
| 325 | 8.00%, 8/1/13 ⁽⁶⁾ | 146,250 |
| Chukchansi EDA, Sr. Notes, Variable Rate | | |
| 280 | 6.095%, 11/15/12 ⁽⁶⁾ | 120,400 |
| Fontainebleau Las Vegas Casino, LLC | | |
| 485 | 11.00%, 6/15/15 ⁽⁶⁾ | 19,400 |
| Galaxy Entertainment Finance | | |
| 300 | 9.875%, 12/15/12 ⁽⁶⁾ | 235,500 |
| Greektown Holdings, LLC, Sr. Notes | | |
| 95 | 10.75%, 12/1/13 ⁽³⁾⁽⁶⁾ | 6,175 |
| Host Hotels and Resorts, LP, Sr. Notes | | |
| 240 | 6.75%, 6/1/16 | 210,600 |
| Indianapolis Downs, LLC & Capital Corp., Sr. Notes | | |
| 145 | 11.00%, 11/1/12 ⁽⁶⁾ | 81,925 |

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Eaton Vance Senior Floating-Rate Trust as of April 30, 2009

PORTFOLIO OF INVESTMENTS (Unaudited) CONT D

| Principal Amount* | Security | Value |
|--|------------------------------------|---------------------|
| Lodging and Casinos (continued) | | |
| Inn of the Mountain Gods, Sr. Notes | | |
| 500 | 12.00%, 11/15/10 | \$ 107,500 |
| Majestic HoldCo, LLC | | |
| 140 | 12.50%, 10/15/11 ⁽³⁾⁽⁶⁾ | 770 |
| MGM Mirage, Inc. | | |
| 20 | 7.50%, 6/1/16 | 11,300 |
| Mohegan Tribal Gaming Authority, Sr. Sub. Notes | | |
| 140 | 8.00%, 4/1/12 | 91,700 |
| 215 | 7.125%, 8/15/14 | 132,225 |
| 230 | 6.875%, 2/15/15 | 116,725 |
| OED Corp./Diamond Jo, LLC | | |
| 475 | 8.75%, 4/15/12 | 396,625 |
| Pinnacle Entertainment, Inc., Sr. Sub. Notes | | |
| 25 | 8.25%, 3/15/12 | 24,500 |
| 140 | 7.50%, 6/15/15 | 116,900 |
| Pokagon Gaming Authority, Sr. Notes | | |
| 102 | 10.375%, 6/15/14 ⁽⁶⁾ | 94,860 |
| San Pasqual Casino | | |
| 110 | 8.00%, 9/15/13 ⁽⁶⁾ | 88,550 |
| Scientific Games Corp. | | |
| 60 | 7.875%, 6/15/16 ⁽⁶⁾ | 54,900 |
| Seminole Hard Rock Entertainment, Variable Rate | | |
| 175 | 3.826%, 3/15/14 ⁽⁶⁾ | 116,375 |
| Tunica-Biloxi Gaming Authority, Sr. Notes | | |
| 310 | 9.00%, 11/15/15 ⁽⁶⁾ | 268,150 |
| Waterford Gaming, LLC, Sr. Notes | | |
| 289 | 8.625%, 9/15/14 ⁽⁶⁾ | 231,823 |
| Wynn Las Vegas, LLC | | |
| 390 | 6.625%, 12/1/14 | 331,500 |
| | | \$ 3,057,453 |

Nonferrous Metals/Minerals 0.2%

FMG Finance PTY, Ltd.675 10.625%, 9/1/16⁽⁶⁾ \$ 594,000**\$ 594,000**

Oil and Gas 0.9%

Allis-Chalmers Energy, Inc., Sr. Notes

335 9.00%, 1/15/14 \$ 167,500

Cimarex Energy Co., Sr. Notes

120 7.125%, 5/1/17 106,800

Clayton Williams Energy, Inc.

175 7.75%, 8/1/13 120,750

Compton Pet Finance Corp.

360 7.625%, 12/1/13 139,500

Denbury Resources, Inc., Sr. Sub. Notes

50 7.50%, 12/15/15 47,250

El Paso Corp., Sr. Notes

225 9.625%, 5/15/12 229,031

Encore Acquisition Co., Sr. Sub. Notes

155 7.25%, 12/1/17 129,425

Forbes Energy Services, Sr. Notes

310 11.00%, 2/15/15 213,900

OPTI Canada, Inc., Sr. Notes

95 7.875%, 12/15/14 51,538

180 8.25%, 12/15/14 99,900

Parker Drilling Co., Sr. Notes

100 9.625%, 10/1/13 78,750

Petrohawk Energy Corp., Sr. Notes

535 9.125%, 7/15/13 526,975

Petroleum Development Corp., Sr. Notes

115 12.00%, 2/15/18 78,200

Petroplus Finance, Ltd.465 7.00%, 5/1/17⁽⁶⁾ 376,650**Quicksilver Resources, Inc.**

290 7.125%, 4/1/16 182,700

Sandridge Energy, Inc., Sr. Notes290 8.00%, 6/1/18⁽⁶⁾ 255,200**SemGroup, L.P., Sr. Notes**540 8.75%, 11/15/15⁽³⁾⁽⁶⁾ 20,250**SESI, LLC, Sr. Notes**

60 6.875%, 6/1/14 52,800

Stewart & Stevenson, LLC, Sr. Notes

335 10.00%, 7/15/14 254,600

\$ 3,131,719

Publishing 0.2%

Dex Media West/Finance, Series B

112 9.875%, 8/15/13 \$ 32,200

Harland Clarke Holdings

35 9.50%, 5/15/15 21,175

Local Insight Regatta Holdings, Inc.

90 11.00%, 12/1/17 22,050

Nielsen Finance, LLC

515 10.00%, 8/1/14 486,675

70 12.50%, (0.00% until 2011), 8/1/16 38,850

Reader s Digest Association, Inc. (The), Sr. Sub. Notes

455 9.00%, 2/15/17 27,869

\$ 628,819

See notes to financial statements

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Eaton Vance Senior Floating-Rate Trust as of April 30, 2009

PORTFOLIO OF INVESTMENTS (Unaudited) CONT D

| Principal Amount* (000 s omitted) | Security | Value |
|---|-------------------|---------------------|
| Rail Industries | 0.2% | |
| American Railcar Industry, Sr. Notes | | |
| 175 | 7.50%, 3/1/14 | \$ 137,375 |
| Kansas City Southern Mexico, Sr. Notes | | |
| 280 | 7.625%, 12/1/13 | 231,000 |
| 100 | 7.375%, 6/1/14 | 81,500 |
| 190 | 8.00%, 6/1/15 | 165,300 |
| | | \$ 615,175 |
| Retailers (Except Food and Drug) | 0.3% | |
| Amscan Holdings, Inc., Sr. Sub. Notes | | |
| 400 | 8.75%, 5/1/14 | \$ 322,000 |
| Neiman Marcus Group, Inc. | | |
| 548 | 9.00%, 10/15/15 | 304,162 |
| 165 | 10.375%, 10/15/15 | 91,575 |
| Sally Holdings, LLC | | |
| 10 | 9.25%, 11/15/14 | 10,050 |
| Sally Holdings, LLC, Sr. Notes | | |
| 20 | 10.50%, 11/15/16 | 19,400 |
| Yankee Acquisition Corp., Series B | | |
| 545 | 8.50%, 2/15/15 | 386,950 |
| | | \$ 1,134,137 |
| Steel | 0.1% | |

RathGibson, Inc., Sr. Notes

| | | | |
|-----|-----------------|----|---------|
| 445 | 11.25%, 2/15/14 | \$ | 111,250 |
|-----|-----------------|----|---------|

Steel Dynamics, Inc., Sr. Notes

| | | | |
|-----|-----------------|--|---------|
| 205 | 7.375%, 11/1/12 | | 183,988 |
|-----|-----------------|--|---------|

| | | | |
|--|--|----|----------------|
| | | \$ | 295,238 |
|--|--|----|----------------|

Surface Transport 0.0%

CEVA Group, PLC, Sr. Notes

| | | | |
|-----|-------------------------------|----|---------|
| 210 | 10.00%, 9/1/14 ⁽⁶⁾ | \$ | 105,000 |
|-----|-------------------------------|----|---------|

| | | | |
|--|--|----|----------------|
| | | \$ | 105,000 |
|--|--|----|----------------|

Telecommunications 0.7%

Centennial Cellular Operating Co./Centennial Communication Corp., Sr. Notes

| | | | |
|----|------------------|----|--------|
| 75 | 10.125%, 6/15/13 | \$ | 78,187 |
|----|------------------|----|--------|

Digicel Group, Ltd., Sr. Notes

| | | | |
|-----|------------------------------|--|---------|
| 300 | 9.25%, 9/1/12 ⁽⁶⁾ | | 283,500 |
|-----|------------------------------|--|---------|

| | | | |
|-----|--------------------------------|--|---------|
| 882 | 9.125%, 1/15/15 ⁽⁶⁾ | | 604,170 |
|-----|--------------------------------|--|---------|

Nortel Networks, Ltd.

| | | | |
|-----|--------------------------------|--|--------|
| 130 | 10.75%, 7/15/16 ⁽³⁾ | | 35,100 |
|-----|--------------------------------|--|--------|

| | | | |
|-----|-----------------------------------|--|---------|
| 390 | 10.75%, 7/15/16 ⁽³⁾⁽⁶⁾ | | 105,300 |
|-----|-----------------------------------|--|---------|

Qwest Corp., Sr. Notes, Variable Rate

| | | | |
|-----|----------------|--|---------|
| 925 | 4.57%, 6/15/13 | | 841,750 |
|-----|----------------|--|---------|

Windstream Corp., Sr. Notes

| | | | |
|-----|----------------|--|---------|
| 190 | 8.125%, 8/1/13 | | 190,000 |
|-----|----------------|--|---------|

| | | | |
|----|----------------|--|--------|
| 60 | 8.625%, 8/1/16 | | 60,000 |
|----|----------------|--|--------|

| | | | |
|--|--|----|------------------|
| | | \$ | 2,198,007 |
|--|--|----|------------------|

Utilities 0.2%

AES Corp.

| | | | |
|----|-----------------|----|--------|
| 55 | 8.00%, 10/15/17 | \$ | 50,600 |
|----|-----------------|----|--------|

Edison Mission Energy, Sr. Notes

| | | | |
|----|----------------|--|--------|
| 25 | 7.50%, 6/15/13 | | 21,375 |
|----|----------------|--|--------|

| | | |
|--|------------------|-------------------|
| NGC Corp. | | |
| 390 | 7.625%, 10/15/26 | 224,250 |
| NRG Energy, Inc. | | |
| 165 | 7.25%, 2/1/14 | 159,638 |
| 355 | 7.375%, 1/15/17 | 339,912 |
| Reliant Energy, Inc., Sr. Notes | | |
| 20 | 7.625%, 6/15/14 | 18,150 |
| | | \$ 813,925 |

Total Corporate Bonds & Notes
(identified cost \$43,260,165) **\$ 29,732,102**

Asset-Backed Securities 0.2%

**Principal
Amount**

| (000 s omitted) | Security | Value |
|------------------------|---|--------------|
| \$ 547 | Alzette European CLO SA, Series 2004-1A, Class E2, 7.82%, 12/15/20 ⁽⁷⁾ | \$ 43,745 |
| 686 | Avalon Capital Ltd. 3, Series 1A, Class D, 3.199%, 2/24/19 ⁽⁶⁾⁽⁷⁾ | 41,161 |
| 907 | Babson Ltd., Series 2005-1A, Class C1, 3.081%, 4/15/19 ⁽⁶⁾⁽⁷⁾ | 54,428 |
| 1,000 | Bryant Park CDO Ltd., Series 2005-1A, Class C, 3.181%, 1/15/19 ⁽⁶⁾⁽⁷⁾ | 30,000 |
| 1,000 | Carlyle High Yield Partners, Series 2004-6A, Class C, 3.678%, 8/11/16 ⁽⁶⁾⁽⁷⁾ | 80,000 |
| 1,000 | Centurion CDO 8 Ltd., Series 2005-8A, Class D, 7.693%, 3/8/17 ⁽⁷⁾ | 60,000 |
| 750 | Centurion CDO 9 Ltd., Series 2005-9A, Class D1, 5.863%, 7/17/19 ⁽⁷⁾ | 30,000 |
| 750 | Comstock Funding Ltd., Series 2006-1A, Class D, 6.453%, 5/30/20 ⁽⁶⁾⁽⁷⁾ | 15,000 |

See notes to financial statements

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Eaton Vance Senior Floating-Rate Trust as of April 30, 2009

PORTFOLIO OF INVESTMENTS (Unaudited) CONT D

| Principal Amount (000 s omitted) | Security | Value |
|--|---|-------------------|
| \$ 1,500 | Dryden Leveraged Loan, Series 2004-6A, Class C1, 3.724%, 7/30/16 ⁽⁶⁾⁽⁷⁾ | \$ 75,000 |
| 1,000 | First CLO Ltd., Series 2004-1A1, Class C, 3.459%, 7/27/16 ⁽⁶⁾⁽⁷⁾ | 60,000 |
| 1,000 | Schiller Park CLO Ltd., Series 2007-1A, Class D, 2.909%, 4/25/21 ⁽⁶⁾⁽⁷⁾ | 60,000 |
| Total Asset-Backed Securities (identified cost \$9,899,694) | | \$ 549,334 |

Common Stocks 0.0%

| Shares | Security | Value |
|---------------|-----------------|--------------|
|---------------|-----------------|--------------|

Air Transport 0.0%

| | | |
|-------|--------------------------------------|----------|
| 1,535 | Delta Air Lines, Inc. ⁽⁸⁾ | \$ 9,471 |
|-------|--------------------------------------|----------|

\$ 9,471

Chemicals and Plastics 0.0%

| | | |
|-----|--|------------|
| 438 | Wellman Holdings, Inc. ⁽⁵⁾⁽⁸⁾ | \$ 112,731 |
|-----|--|------------|

\$ 112,731

Commercial Services 0.0%

| | | |
|-------|--|-------------|
| 6,211 | Environmental Systems Products Holdings, Inc. ⁽⁵⁾⁽⁸⁾⁽⁹⁾ | \$ 0 |
| | | \$ 0 |

Total Common Stocks
(identified cost \$131,956) **\$ 122,202**

Convertible Preferred Stocks 0.0%

| Shares | Security | Value |
|--------|----------|-------|
|--------|----------|-------|

Telecommunications 0.0%

| | | |
|-----|---|-----------|
| 484 | Crown Castle International Corp., 6.25% ⁽²⁾ | \$ 22,022 |
|-----|---|-----------|

Total Convertible Preferred Stocks
(identified cost \$23,003) **\$ 22,022**

Preferred Stocks 0.1%

| Shares | Security | Value |
|--------|----------|-------|
|--------|----------|-------|

Commercial Services 0.1%

| | | |
|-------|--|------------|
| 2,845 | Environmental Systems Products Holdings, Inc., Series A ⁽⁵⁾⁽⁸⁾⁽⁹⁾ | \$ 125,208 |
|-------|--|------------|

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Total Preferred Stocks
(identified cost \$49,787) **\$ 125,208**

Miscellaneous 0.0%

| Shares | Security | Value |
|---------------|-----------------|--------------|
|---------------|-----------------|--------------|

Air Transport 0.0%

| | | |
|-----------|--|----------|
| 1,000,000 | Delta Air Lines, Inc., Escrow Certificate ⁽⁸⁾ | \$ 7,500 |
|-----------|--|----------|

Total Miscellaneous
(identified cost \$0) **\$ 7,500**

Short-Term Investments 2.4%

| Interest/Principal Amount (000 s omitted) | Description | Value |
|--|--------------------|--------------|
|--|--------------------|--------------|

| | | |
|---------|--|--------------|
| \$7,198 | Cash Management Portfolio, 0.13% ⁽¹⁰⁾ | \$ 7,197,700 |
| 1,000 | State Street Bank and Trust Euro Time Deposit, 0.01%, 5/1/09 | 1,000,000 |

Total Short-Term Investments
(identified cost \$8,197,700) **8,197,700**

Total Investments 156.8%
(identified cost \$743,240,135) **\$ 534,547,825**

Less Unfunded Loan
Commitments (0.8%) **\$ (2,633,919)**

| | |
|--|------------------|
| Net Investments 156.0% (identified cost \$740,606,216) | \$ 531,913,906 |
| Other Assets, Less Liabilities (17.5)% | \$ (59,627,172) |
| Auction Preferred Shares Plus Cumulative Unpaid Dividends (38.5)% | \$ (131,308,445) |
| Net Assets Applicable to Common Shares 100.0% | \$ 340,978,289 |

See notes to financial statements

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Eaton Vance Senior Floating-Rate Trust as of April 30, 2009

PORTFOLIO OF INVESTMENTS (Unaudited) CONT D

DIP - Debtor in Possession

EUR - Euro

GBP - British Pound Sterling

* In U.S. dollars unless otherwise indicated.

- (1) Senior floating-rate interests (Senior Loans) often require prepayments from excess cash flows or permit the borrowers to repay at their election. The degree to which borrowers repay, whether as a contractual requirement or at their election, cannot be predicted with accuracy. As a result, the actual remaining maturity may be substantially less than the stated maturities shown. However, Senior Loans will have an expected average life of approximately two to four years. The stated interest rate represents the weighted average interest rate of all contracts within the senior loan facility. Senior Loans typically have rates of interest which are redetermined either daily, monthly, quarterly or semi-annually by reference to a base lending rate, plus a premium. These base rates are primarily the London-Interbank Offered Rate (LIBOR) and secondarily the prime rate offered by one or more major United States banks (the Prime Rate) and the certificate of deposit (CD) rate or other base lending rates used by commercial lenders.
- (2) Represents a payment-in-kind security which may pay all or a portion of interest/dividends in additional par/shares.
- (3) Defaulted security. Currently the issuer is in default with respect to interest payments.
- (4) Unfunded or partially unfunded loan commitments. See Note 1G for description.
- (5) Security valued at fair value using methods determined in good faith by or at the direction of the Trustees.
- (6) Security exempt from registration under Rule 144A of the Securities Act of 1933. These securities may be sold in transactions exempt from registration, normally to qualified institutional buyers. At April 30, 2009, the aggregate value of these securities is \$5,895,987 or 1.7% of the Trust's net assets applicable to common shares.
- (7) Variable rate security. The stated interest rate represents the rate in effect at April 30, 2009.
- (8) Non-income producing security.
- (9) Restricted security. See Note 8.
- (10) Affiliated investment company available to Eaton Vance portfolios and funds which invests in high quality, U.S. dollar denominated money market instruments. The rate shown is the annualized seven-day yield as of April 30, 2009.

See notes to financial statements

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Eaton Vance Senior Floating-Rate Trust as of April 30, 2009

FINANCIAL STATEMENTS (Unaudited)
Statement of Assets and Liabilities**As of April 30, 2009**

Assets

| | |
|--|----------------|
| Unaffiliated investments, at value (identified cost, \$733,408,516) | \$ 524,716,206 |
| Affiliated investment, at value (identified cost, \$7,197,700) | 7,197,700 |
| Foreign currency, at value (identified cost, \$71,752) | 72,254 |
| Receivable for investments sold | 5,028,515 |
| Interest and dividends receivable | 4,542,768 |
| Interest receivable from affiliated investment | 840 |
| Receivable for closed swap contracts (net of unrealized depreciation of \$8,775) | 2,225 |
| Prepaid expenses | 239,730 |

| | |
|---------------------|-----------------------|
| Total assets | \$ 541,800,238 |
|---------------------|-----------------------|

Liabilities

| | |
|--|---------------|
| Notes payable | \$ 65,000,000 |
| Payable for investments purchased | 3,803,679 |
| Payable for open forward foreign currency exchange contracts | 263,832 |
| Payable to affiliates: | |
| Investment adviser fee | 252,470 |
| Trustees fees | 1,823 |
| Accrued expenses | 191,701 |

| | |
|--------------------------|----------------------|
| Total liabilities | \$ 69,513,505 |
|--------------------------|----------------------|

| | |
|--|-----------------------|
| Auction preferred shares (5,252 shares outstanding) at liquidation value plus cumulative unpaid dividends | \$ 131,308,444 |
|--|-----------------------|

| | |
|---|-----------------------|
| Net assets applicable to common shares | \$ 340,978,289 |
|---|-----------------------|

Sources of Net Assets

| | |
|--|-----------------------|
| Common shares, \$0.01 par value, unlimited number of shares authorized, 33,629,955 shares issued and outstanding | \$ 336,300 |
| Additional paid-in capital | 662,285,718 |
| Accumulated net realized loss | (113,466,362) |
| Accumulated undistributed net investment income | 864,384 |
| Net unrealized depreciation | (209,041,751) |
| Net assets applicable to common shares | \$ 340,978,289 |

Net Asset Value Per Common Share

| | |
|--|-----------------|
| (\$340,978,289 ÷ 33,629,955 common shares issued and outstanding) | \$ 10.14 |
|--|-----------------|

Statement of Operations

**For the Six Months Ended
April 30, 2009**

Investment Income

| | |
|--|----------------------|
| Interest | \$ 21,605,362 |
| Dividends | 756 |
| Interest income allocated from affiliated investment | 42,901 |
| Expenses allocated from affiliated investment | (13,019) |
| Total investment income | \$ 21,636,000 |

Expenses

| | |
|---|--------------|
| Investment adviser fee | \$ 1,934,199 |
| Trustees fees and expenses | 11,300 |
| Custodian fee | 153,035 |
| Transfer and dividend disbursing agent fees | 10,386 |
| Legal and accounting services | 135,302 |
| Printing and postage | 25,190 |
| Interest expense and fees | 3,209,301 |
| Preferred shares service fee | 141,263 |
| Miscellaneous | 67,550 |

Total expenses **\$ 5,687,526**

| | |
|-------------------------------------|------------|
| Deduct | |
| Reduction of investment adviser fee | \$ 548,669 |
| Reduction of custodian fee | 390 |

Total expense reductions **\$ 549,059**

Net expenses **\$ 5,138,467**

Net investment income **\$ 16,497,533**

Realized and Unrealized Gain (Loss)

| | |
|--|-----------------|
| Net realized gain (loss) | |
| Investment transactions | \$ (33,499,757) |
| Swap contracts | (8,775) |
| Foreign currency and forward foreign currency exchange contract transactions | 670,083 |
| Extinguishment of debt | (2,123,469) |

Net realized loss **\$ (34,961,918)**

| | |
|--|---------------|
| Change in unrealized appreciation (depreciation) | |
| Investments | \$ 33,631,764 |
| Swap contracts | 203 |

| | |
|--|-----------------------|
| Foreign currency and forward foreign currency exchange contracts | (1,254,327) |
| Net change in unrealized appreciation (depreciation) | \$ 32,377,640 |
| Net realized and unrealized loss | \$ (2,584,278) |
| Distributions to preferred shareholders | |
| From net investment income | \$ (707,665) |
| Net increase in net assets from operations | \$ 13,205,590 |

See notes to financial statements

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Eaton Vance Senior Floating-Rate Trust as of April 30, 2009

FINANCIAL STATEMENTS CONT D

Statements of Changes in Net Assets

| Increase (Decrease) in Net Assets | Six Months Ended April 30, 2009 (Unaudited) | Year Ended October 31, 2008 |
|---|--|--|
| From operations | | |
| Net investment income | \$ 16,497,533 | \$ 55,940,751 |
| Net realized loss from investment transactions, swap contracts, foreign currency and forward foreign currency exchange contract transactions, and extinguishment of debt | (34,961,918) | (36,470,609) |
| Net change in unrealized appreciation (depreciation) from investments, swap contracts, foreign currency and forward foreign currency exchange contracts | 32,377,640 | (220,522,846) |
| Distributions to preferred shareholders From net investment income | (707,665) | (12,333,061) |
| Net increase (decrease) in net assets from operations | \$ 13,205,590 | \$ (213,385,765) |
| Distributions to common shareholders | | |
| From net investment income | \$ (14,925,484) | \$ (38,359,137) |
| Tax return of capital | | (4,011,498) |
| Total distributions to common shareholders | \$ (14,925,484) | \$ (42,370,635) |
| Capital share transactions | \$ 240,983 | \$ |

Reinvestment of distributions to
common shareholders

| | | |
|---|-----------------------|-------------------------|
| Net increase in net assets from capital share transactions | \$ 240,983 | \$ |
| Net decrease in net assets | \$ (1,478,911) | \$ (255,756,400) |

Net Assets Applicable to Common Shares

| | | |
|-------------------------|-----------------------|-----------------------|
| At beginning of period | \$ 342,457,200 | \$ 598,213,600 |
| At end of period | \$ 340,978,289 | \$ 342,457,200 |

Accumulated undistributed
net investment income
included in net assets
applicable to common shares

| | | |
|-------------------------|-------------------|-----------|
| At end of period | \$ 864,384 | \$ |
|-------------------------|-------------------|-----------|

Statement of Cash Flows

| | Six Months Ended April 30, 2009 (Unaudited) | |
|---|--|------------|
| Cash Flows From Operating Activities | | |
| Net increase in net assets from operations | \$ 13,205,590 | |
| Distributions to preferred shareholders | | 707,665 |
| Net increase in net assets from operations excluding distributions to preferred shareholders | | 13,913,255 |

Adjustments to reconcile net increase in net assets from operations to net cash provided by (used in) operating activities:

| | |
|---|--------------|
| Investments purchased | (16,391,616) |
| Investments sold and principal repayments | 100,441,663 |
| Decrease in short-term investments, net | 98,500 |
| Net accretion/amortization of premium (discount) | (1,611,183) |
| Amortizaion of structuring fee on notes payable | 234,962 |
| Decrease in interest and dividends receivable | 1,631,954 |
| Decrease in interest receivable from affiliated investment | 11,601 |
| Decrease in receivable for investments sold | 1,873,175 |
| Decrease in receivable for open forward foreign currency exchange contracts | 777,274 |
| Increase in receivable for closed swap contracts | (203) |
| Decrease in prepaid expenses | 18,487 |
| Increase in payable for investments purchased | 801,957 |
| Increase in payable for open forward foreign currency exchange contracts | 263,832 |
| Decrease in payable to affiliate for investment adviser fee | (116,536) |
| Increase in payable to affiliate for Trustees fees | 220 |
| Decrease in accrued expenses | (930,572) |
| Decrease in unfunded loan commitments | (974,941) |
| Net change in unrealized (appreciation) depreciation of investments | (33,631,764) |
| Net realized (gain) loss on extinguishment of debt | 2,123,469 |
| Net realized (gain) loss from investments | 33,499,757 |

Net cash provided by operating activities \$ **102,033,291**

Cash Flows From Financing Activities

| | |
|--|-----------------|
| Cash distributions paid to common shareholders, net of reinvestments | \$ (14,684,501) |
| Distributions to preferred shareholders | (930,563) |
| Proceeds from notes payable | 800,000 |
| Repayment of notes payable | (90,000,000) |
| Payment of structuring fee on notes payable | (225,000) |

Net cash used in financing activities \$ **(105,040,064)**

Net decrease in cash \$ **(3,006,773)**

| | | |
|--|-----------|------------------|
| Cash at beginning of period⁽¹⁾ | \$ | 3,079,027 |
|--|-----------|------------------|

| | | |
|--|-----------|---------------|
| Cash at end of period⁽¹⁾ | \$ | 72,254 |
|--|-----------|---------------|

Supplemental disclosure of cash flow information:

| | | |
|---|----|-----------|
| Reinvestment of dividends and distributions | \$ | 240,983 |
| Cash paid for interest and fees on borrowings | \$ | 3,964,150 |

⁽¹⁾ Balance includes foreign currency, at value

See notes to financial statements

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Eaton Vance Senior Floating-Rate Trust as of April 30, 2009

FINANCIAL STATEMENTS CONT D

Financial Highlights

Selected data for a common share outstanding during the periods stated

| | Six Months Ended April 30, 2009 (Unaudited) | Year Ended October 31, | | | | Period Ended October 31, 2004⁽¹⁾ |
|--|--|-------------------------------|-----------------|-----------------|-----------------|--|
| | | 2008 | 2007 | 2006 | 2005 | |
| Net asset value Beginning of period (Common shares) | \$ 10.190 | \$ 17.800 | \$ 18.690 | \$ 18.740 | \$ 18.970 | \$ 19.100 ⁽²⁾ |
| Income (loss) from operations | | | | | | |
| Net investment income ⁽³⁾ | \$ 0.491 | \$ 1.665 | \$ 2.177 | \$ 2.053 | \$ 1.547 | \$ 0.968 |
| Net realized and unrealized gain (loss) | (0.076) | (7.647) | (0.861) | (0.026) | (0.193) | 0.080 |
| Distributions to preferred shareholders From net investment income ⁽³⁾ | (0.021) | (0.367) | (0.634) | (0.558) | (0.354) | (0.132) |
| Total income (loss) from operations | \$ 0.394 | \$ (6.349) | \$ 0.682 | \$ 1.469 | \$ 1.000 | \$ 0.916 |

Less distributions to common shareholders

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| | | | | | | |
|----------------------------|------------|------------|------------|------------|------------|------------|
| From net investment income | \$ (0.444) | \$ (1.142) | \$ (1.542) | \$ (1.519) | \$ (1.230) | \$ (0.900) |
|----------------------------|------------|------------|------------|------------|------------|------------|

| | | | | | | |
|-----------------------|--|---------|---------|--|--|--|
| Tax return of capital | | (0.119) | (0.030) | | | |
|-----------------------|--|---------|---------|--|--|--|

| | | | | | | |
|---|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Total distributions to common shareholders | \$ (0.444) | \$ (1.261) | \$ (1.572) | \$ (1.519) | \$ (1.230) | \$ (0.900) |
|---|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|

| | | | | | | |
|--|-----------|-----------|-----------|-----------|-----------|-------------------|
| Preferred and common shares offering costs charged to paid-in capital⁽³⁾ | \$ | \$ | \$ | \$ | \$ | \$ (0.027) |
|--|-----------|-----------|-----------|-----------|-----------|-------------------|

| | | | | | | |
|--|-----------|-----------|-----------|-----------|-----------|-------------------|
| Preferred shares underwriting discounts⁽³⁾ | \$ | \$ | \$ | \$ | \$ | \$ (0.119) |
|--|-----------|-----------|-----------|-----------|-----------|-------------------|

| | | | | | | |
|--|------------------|------------------|------------------|------------------|------------------|------------------|
| Net asset value End of period (Common shares) | \$ 10.140 | \$ 10.190 | \$ 17.800 | \$ 18.690 | \$ 18.740 | \$ 18.970 |
|--|------------------|------------------|------------------|------------------|------------------|------------------|

| | | | | | | |
|---|-----------------|-----------------|------------------|------------------|------------------|------------------|
| Market Value End of period (Common shares) | \$ 9.620 | \$ 9.480 | \$ 16.200 | \$ 18.240 | \$ 17.210 | \$ 19.940 |
|---|-----------------|-----------------|------------------|------------------|------------------|------------------|

| | | | | | | |
|---------------------------------------|-----------------------------|-----------------|--------------|--------------|--------------|--------------------------------|
| Total Investment Return on Net | 4.99%⁽¹⁴⁾ | (37.33)% | 3.93% | 8.47% | 5.57% | 4.13%⁽⁵⁾⁽¹⁴⁾ |
|---------------------------------------|-----------------------------|-----------------|--------------|--------------|--------------|--------------------------------|

Asset Value⁽⁴⁾

**Total
Investment
Return on
Market
Value⁽⁴⁾**

7.07%⁽¹⁴⁾ **(35.90)%** **(3.13)%** **15.27%** **(7.77)%** **9.45%**⁽⁵⁾⁽¹⁴⁾

See notes to financial statements

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Eaton Vance Senior Floating-Rate Trust as of April 30, 2009

FINANCIAL STATEMENTS CONT D

Financial Highlights

Selected data for a common share outstanding during the periods stated

| | Six Months Ended April 30, 2009 (Unaudited) | Year Ended October 31, | | | | Period Ended October 31, 2004⁽¹⁾ |
|--|--|-------------------------------|-------------|-------------|-------------|--|
| | | 2008 | 2007 | 2006 | 2005 | |
| Ratios/Supplemental Data | | | | | | |
| Net assets applicable to common shares, end of period (000 shares omitted) | \$ 340,978 | \$ 342,457 | \$ 598,214 | \$ 625,925 | \$ 627,586 | \$ 633,584 |
| Ratios (as a percentage of average daily net assets applicable to common shares): ⁽⁶⁾ | | | | | | |
| Expenses before custodian fee reduction excluding interest and fees ⁽⁷⁾ | 1.32% ⁽⁸⁾ | 1.18% | 1.18% | 1.17% | 1.16% | 1.08% ⁽⁸⁾ |
| Interest and fee expense ⁽⁹⁾ | 2.17% ⁽⁸⁾ | 0.99% | | | | |
| Total expenses | 3.49% ⁽⁸⁾ | 2.17% | 1.18% | 1.17% | 1.16% | 1.08% ⁽⁸⁾ |
| Net investment income | 11.17% ⁽⁸⁾ | 10.66% | 11.79% | 10.95% | 8.18% | 5.51% ⁽⁸⁾ |
| Portfolio Turnover | 3% ⁽¹⁴⁾ | 21% | 58% | 51% | 64% | 95% ⁽¹⁴⁾ |

The ratios reported above are based on net assets applicable solely to common shares. The ratios based on net assets, including amounts related to preferred shares and borrowings, are as follows:

Ratios (as a percentage of average daily net

| | | | | | | |
|--|----------------------|-------|-------|-------|-------|----------------------|
| assets applicable to common shares plus preferred shares and borrowings): ⁽⁶⁾ Expenses before custodian fee reduction excluding interest and fees ⁽⁷⁾ | 0.75% ⁽⁸⁾ | 0.68% | 0.72% | 0.72% | 0.72% | 0.71% ⁽⁸⁾ |
| Interest and fee expense ⁽⁹⁾ | 1.24% ⁽⁸⁾ | 0.57% | | | | |
| Total expenses | 1.99% ⁽⁸⁾ | 1.25% | 0.72% | 0.72% | 0.72% | 0.71% ⁽⁸⁾ |
| Net investment income | 6.37% ⁽⁸⁾ | 6.12% | 7.21% | 6.73% | 5.04% | 3.63% ⁽⁸⁾ |

Senior Securities:

| | | | | | | |
|---|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| Total notes payable outstanding (in 000 s) | \$ 65,000 | \$ 154,200 | \$ | \$ | \$ | \$ |
| Asset coverage per \$1,000 of notes payable ⁽¹⁰⁾ | \$ 8,266 | \$ 4,074 | \$ | \$ | \$ | \$ |
| Total preferred shares outstanding | 5,252 | 5,252 | 15,760 | 15,760 | 15,760 | 15,760 |
| Asset coverage per preferred share | \$ 68,427 ⁽¹¹⁾ | \$ 55,060 ⁽¹¹⁾ | \$ 63,001 ⁽¹²⁾ | \$ 64,753 ⁽¹²⁾ | \$ 64,853 ⁽¹²⁾ | \$ 65,223 ⁽¹²⁾ |
| Involuntary liquidation preference per preferred share ⁽¹³⁾ | \$ 25,000 | \$ 25,000 | \$ 25,000 | \$ 25,000 | \$ 25,000 | \$ 25,000 |
| Approximate market value per preferred share ⁽¹³⁾ | \$ 25,000 | \$ 25,000 | \$ 25,000 | \$ 25,000 | \$ 25,000 | \$ 25,000 |

- (1) For the period from the start of business, November 28, 2003, to October 31, 2004.
- (2) Net asset value at beginning of period reflects the deduction of the sales load of \$0.90 per share paid by the shareholder from the \$20.00 offering price.
- (3) Computed using average common shares outstanding.
- (4) Returns are historical and are calculated by determining the percentage change in net asset value or market value with all distributions reinvested.
- (5) Total investment return on net asset value is calculated assuming a purchase at the offering price of \$20.00 less the sales load of \$0.90 per share paid by the shareholder on the first day and a sale at the net asset value on the last day of the period reported. Total investment return on market value is calculated assuming a purchase at the

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offering price of \$20.00 less the sales load of \$0.90 per share paid by the shareholder on the first day and a sale at the current market price on the last day of the period reported with all distributions reinvested.

- (6) Ratios do not reflect the effect of dividend payments to preferred shareholders.
- (7) Excludes the effect of custody fee credits, if any, of less than 0.005%.
- (8) Annualized.
- (9) Interest and fee expense relates to the notes payable incurred to partially redeem the Trust's APS (see Note 10).
- (10) Calculated by subtracting the Trust's total liabilities (not including the notes payable and preferred shares) from the Trust's total assets, and dividing the result by the notes payable balance in thousands.
- (11) Calculated by subtracting the Trust's total liabilities (not including the notes payables and preferred shares) from the Trust's total assets, dividing the result by the sum of the value of the notes payables and liquidation value of preferred shares, and multiplying the result by the liquidation value of one preferred shares. Such amount equates to 274% and 220% at April 30, 2009 and October 31, 2008, respectively.
- (12) Calculated by subtracting the Trust's total liabilities (not including the preferred shares) from the Trust's total assets, and dividing the result by the number of preferred shares outstanding.
- (13) Plus accumulated and unpaid dividends.
- (14) Not annualized.

See notes to financial statements

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Eaton Vance Senior Floating-Rate Trust as of April 30, 2009

NOTES TO FINANCIAL STATEMENTS (Unaudited)

1 Significant Accounting Policies

Eaton Vance Senior Floating-Rate Trust (the Trust) is a Massachusetts business trust registered under the Investment Company Act of 1940, as amended (the 1940 Act), as a diversified, closed-end management investment company. The Trust's primary investment objective is to provide a high level of current income. The Trust may, as a secondary objective, also seek preservation of capital to the extent consistent with its primary objective.

The following is a summary of significant accounting policies of the Trust. The policies are in conformity with accounting principles generally accepted in the United States of America.

A Investment Valuation Interests in senior floating-rate loans (Senior Loans) for which reliable market quotations are readily available are valued generally at the average mean of bid and ask quotations obtained from an independent pricing service. Other Senior Loans are valued at fair value by the investment adviser under procedures approved by the Trustees. In fair valuing a Senior Loan, the investment adviser utilizes one or more of the valuation techniques described in (i) through (iii) below to assess the likelihood that the borrower will make a full repayment of the loan underlying such Senior Loan relative to yields on other Senior Loans issued by companies of comparable credit quality. If the investment adviser believes that there is a reasonable likelihood of full repayment, the investment adviser will determine fair value using a matrix pricing approach that considers the yield on the Senior Loan. If the investment adviser believes there is not a reasonable likelihood of full repayment, the investment adviser will determine fair value using analyses that include, but are not limited to: (i) a comparison of the value of the borrower's outstanding equity and debt to that of comparable public companies; (ii) a discounted cash flow analysis; or (iii) when the investment adviser believes it is likely that a borrower will be liquidated or sold, an analysis of the terms of such liquidation or sale. In certain cases, the investment adviser will use a combination of analytical methods to determine fair value, such as when only a portion of a borrower's assets are likely to be sold. In conducting its assessment and analyses for purposes of determining fair value of a Senior Loan, the investment adviser will use its discretion and judgment in considering and appraising relevant factors. Fair value determinations are made by the portfolio managers of the Trust based on information available to such managers. The portfolio managers of other funds managed by the investment adviser that invest in Senior Loans may not possess the same information about a Senior Loan borrower as the portfolio managers of the Trust. At times, the fair value of a Senior Loan determined by the portfolio managers of other funds managed by the investment adviser that invest in Senior Loans may vary from the fair value of the same Senior Loan determined by the portfolio managers of the Trust. The fair value of each Senior Loan is periodically reviewed and approved by the investment adviser's Valuation Committee and by the Trustees based upon procedures approved by the Trustees. Junior Loans are valued in the same manner as Senior Loans.

Debt obligations, including listed securities and securities for which quotations are readily available, will normally be valued on the basis of reported trades or market quotations provided by independent pricing services, when in the services' judgment, these prices are representative of the securities' market values. For debt securities where market quotations are not readily available, the pricing services will use various techniques that consider factors including, but not limited to, prices or yields of securities with similar characteristics, benchmark yields, broker/dealer quotes, issuer spreads, as well as industry and economic events. Short-term debt securities with a remaining maturity of sixty days or less are generally valued at amortized cost, which approximates market value. If short-term debt securities are acquired with a remaining maturity of more than sixty days, they will be valued by a pricing service.

Equity securities listed on a U.S. securities exchange generally are valued at the last sale price on the day of valuation or, if no sales took place on such date, at the mean between the closing bid and asked prices therefore on the exchange

where such securities are principally traded. Equity securities listed on the NASDAQ Global or Global Select Market generally are valued at the NASDAQ official closing price. Unlisted or listed securities for which closing sales prices or closing quotations are not available are valued at the mean between the latest available bid and asked prices or, in the case of preferred equity securities that are not listed or traded in the over-the-counter market, by an independent pricing service. Forward foreign currency exchange contracts are generally valued using forward exchange rates supplied by a pricing vendor. Credit default swaps are normally valued using valuations provided by pricing vendors. The pricing vendors employ electronic data processing techniques to determine the present value based on credit spread quotations obtained from broker/dealers and expected default recovery rates determined by the pricing vendor using proprietary models. Foreign securities and currencies are valued in U.S. dollars, based on foreign currency exchange rate quotations supplied by an independent quotation service. The independent service uses a proprietary model to determine the exchange rate. Inputs to the model include reported trades and implied bid/ask spreads. Investments for which valuations or market quotations are not readily available or are deemed unreliable are valued at fair value using methods determined in good faith by or at the direction of the Trustees of the Trust in a manner that most fairly reflects the security's value, or the amount that the Trust might

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Eaton Vance Senior Floating-Rate Trust as of April 30, 2009

NOTES TO FINANCIAL STATEMENTS (Unaudited) CONT D

reasonably expect to receive for the security upon its current sale in the ordinary course. Each such determination is based on a consideration of all relevant factors, which are likely to vary from one pricing context to another. These factors may include, but are not limited to, the type of security, the existence of any contractual restrictions on the security's disposition, the price and extent of public trading in similar securities of the issuer or of comparable companies, quotations or relevant information obtained from broker-dealers or other market participants, information obtained from the issuer, analysts, and/or the appropriate stock exchange (for exchange-traded securities), an analysis of the company's financial condition, and an evaluation of the forces that influence the issuer and the market(s) in which the security is purchased and sold.

The Trust may invest in Cash Management Portfolio (Cash Management), an affiliated investment company managed by Boston Management and Research (BMR), a subsidiary of Eaton Vance Management (EVM). Cash Management values its investment securities utilizing the amortized cost valuation technique permitted by Rule 2a-7 of the 1940 Act, pursuant to which Cash Management must comply with certain conditions. This technique involves initially valuing a portfolio security at its cost and thereafter assuming a constant amortization to maturity of any discount or premium. If amortized cost is determined not to approximate fair value, Cash Management may value its investment securities based on available market quotations provided by a pricing service.

B Investment Transactions Investment transactions for financial statement purposes are accounted for on a trade date basis. Realized gains and losses on investments sold are determined on the basis of identified cost.

C Income Interest income is recorded on the basis of interest accrued, adjusted for amortization of premium or accretion of discount. Fees associated with loan amendments are recognized immediately. Dividend income is recorded on the ex-dividend date for dividends received in cash and/or securities.

D Federal Taxes The Trust's policy is to comply with the provisions of the Internal Revenue Code applicable to regulated investment companies and to distribute to shareholders each year substantially all of its net investment income, and all or substantially all of its net realized capital gains. Accordingly, no provision for federal income or excise tax is necessary.

At October 31, 2008, the Trust, for federal income tax purposes, had a capital loss carryforward of \$78,071,272 which will reduce its taxable income arising from future net realized gains on investment transactions, if any, to the extent permitted by the Internal Revenue Code, and thus will reduce the amount of distributions to shareholders, which would otherwise be necessary to relieve the Trust of any liability for federal income or excise tax. Such capital loss carryforward will expire on October 31, 2012 (\$5,860,075), October 31, 2013 (\$4,807,956), October 31, 2014 (\$1,142,602), October 31, 2015 (\$2,782,217) and October 31, 2016 (\$63,478,422).

As of April 30, 2009, the Trust had no uncertain tax positions that would require financial statement recognition, de-recognition, or disclosure. Each of the Trust's federal tax returns filed in the 3-year period ended October 31, 2008 remains subject to examination by the Internal Revenue Service.

E Expense Reduction State Street Bank and Trust Company (SSBT) serves as custodian of the Trust. Pursuant to the custodian agreement, SSBT receives a fee reduced by credits, which are determined based on the average daily cash balance the Trust maintains with SSBT. All credit balances, if any, used to reduce the Trust's custodian fees are reported as a reduction of expenses in the Statement of Operations.

F Foreign Currency Translation Investment valuations, other assets, and liabilities initially expressed in foreign currencies are translated each business day into U.S. dollars based upon current exchange rates. Purchases and sales of foreign investment securities and income and expenses denominated in foreign currencies are translated into U.S. dollars based upon currency exchange rates in effect on the respective dates of such transactions. Recognized gains or losses on investment transactions attributable to changes in foreign currency exchange rates are recorded for financial statement purposes as net realized gains and losses on investments. That portion of unrealized gains and losses on investments that results from fluctuations in foreign currency exchange rates is not separately disclosed.

G Unfunded Loan Commitments The Trust may enter into certain credit agreements all or a portion of which may be unfunded. The Trust is obligated to fund these commitments at the borrower's discretion. The commitments are disclosed in the accompanying Portfolio of Investments.

H Use of Estimates The preparation of the financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities at the date of the financial statements and the

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Eaton Vance Senior Floating-Rate Trust as of April 30, 2009

NOTES TO FINANCIAL STATEMENTS (Unaudited) CONT D

reported amounts of income and expense during the reporting period. Actual results could differ from those estimates.

I Indemnifications Under the Trust's organizational documents, its officers and Trustees may be indemnified against certain liabilities and expenses arising out of the performance of their duties to the Trust, and shareholders are indemnified against personal liability for the obligations of the Trust. Additionally, in the normal course of business, the Trust enters into agreements with service providers that may contain indemnification clauses. The Trust's maximum exposure under these arrangements is unknown as this would involve future claims that may be made against the Trust that have not yet occurred.

J Forward Foreign Currency Exchange Contracts The Trust may enter into forward foreign currency exchange contracts for the purchase or sale of a specific foreign currency at a fixed price on a future date. The Trust may enter into forward contracts for hedging purposes as well as non-hedging purposes. The forward foreign currency exchange contracts are adjusted by the daily exchange rate of the underlying currency and any gains or losses are recorded as unrealized until such time as the contracts have been closed or offset by another contract with the same broker for the same settlement date and currency. Risks may arise upon entering these contracts from the potential inability of counterparties to meet the terms of their contracts and from movements in the value of a foreign currency relative to the U.S. dollar.

K Credit Default Swaps The Trust may enter into credit default swap contacts to manage its credit risk, to gain exposure to credit in which the Trust may otherwise invest, or to enhance return. When the Trust is the buyer of a credit default swap contract, the Trust is entitled to receive the par (or other agreed-upon) value of a referenced debt obligation (or basket of debt obligations) from the counterparty to the contract if a credit event by a third party, such as a U.S. or foreign corporate issuer or sovereign issuer, on the debt obligation occurs. In return, the Trust pays the counterparty a periodic stream of payments over the term of the contract provided that no credit event has occurred. If no credit event occurs, the Trust would have spent the stream of payments and received no benefits from the contract. When the Trust is the seller of a credit default swap contract, it receives the stream of payments, but is obligated to pay to the buyer of the protection an amount up to the notional amount of the swap and in certain instances take delivery of securities of the reference entity upon the occurrence of a credit event, as defined under the terms of that particular swap agreement. Credit events are contract specific but may include bankruptcy, failure to pay, restructuring, obligation acceleration and repudiation/moratorium. If the Trust is the seller of protection and a credit event occurs, the maximum potential amount of future payments that the Trust could be required to make would be an amount equal to the notional amount of the agreement. This potential amount would be partially offset by any recovery value of the respective referenced obligation, or net amount received from the settlement of a buy protection credit default swap agreement entered into by the Trust for the same referenced obligation. As the seller, the Trust effectively adds leverage to its portfolio because, in addition to its total net assets, the Trust is subject to investment exposure on the notional amount of the swap. The interest fee paid or received on the swap contract, which is based on a specified interest rate on a fixed notional amount, is accrued daily as a component of unrealized appreciation (depreciation) and is recorded as realized gain upon receipt or realized loss upon payment. The Trust also records an increase or decrease to unrealized appreciation (depreciation) in an amount equal to the daily valuation. Up-front payments or receipts, if any, are recorded as other assets or other liabilities, respectively, and amortized over the life of the swap contract as realized gains or losses. The Trust segregates assets in the form of cash or liquid securities in an amount equal to notional amount of the credit default swaps of which it is the seller. The Trust segregates assets in the form of cash or liquid securities in an amount equal to any unrealized depreciation of the credit default swaps of which it is the buyer, marked to market on a daily basis. These transactions involve certain risks, including the risk

that the seller may be unable to fulfill the transaction.

L Statement of Cash Flows The cash amount shown in the Statement of Cash Flows of the Trust is the amount included in the Trust's Statement of Assets and Liabilities and represents the cash on hand at its custodian and does not include any short-term investments.

M Interim Financial Statements The interim financial statements relating to April 30, 2009 and for the six months then ended have not been audited by an independent registered public accounting firm, but in the opinion of the Trust's management, reflect all adjustments, consisting only of normal recurring adjustments, necessary for the fair presentation of the financial statements.

2 Auction Preferred Shares

The Trust issued Auction Preferred Shares (APS) on January 26, 2004 in a public offering. The underwriting discount and other offering costs incurred in connection with the offering were recorded as a reduction of the paid-in capital of the common shares. Dividends on the APS, which accrue daily, are cumulative at rates which are reset weekly for Series A and Series B, and approximately monthly for Series C and Series D by an auction, unless a special dividend period has been set. Series of APS are

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Eaton Vance Senior Floating-Rate Trust as of April 30, 2009

NOTES TO FINANCIAL STATEMENTS (Unaudited) CONT D

identical in all respects except for the reset dates of the dividend rates. If the APS auctions do not successfully clear, the dividend payment rate over the next period for the APS holders is set at a specified maximum applicable rate until such time as the APS auctions are successful. Auctions have not cleared since February 13, 2008 and the rate since that date has been the maximum applicable rate (see Note 3). The maximum applicable rate on the APS is 150% of the AA Financial Composite Commercial Paper Rate on the date of the auction.

The number of APS issued and outstanding as of April 30, 2009 is as follows:

| | APS Issued and Outstanding |
|----------|---------------------------------------|
| Series A | 1,313 |
| Series B | 1,313 |
| Series C | 1,313 |
| Series D | 1,313 |

The APS are redeemable at the option of the Trust at a redemption price equal to \$25,000 per share, plus accumulated and unpaid dividends, on any dividend payment date. The APS are also subject to mandatory redemption at a redemption price equal to \$25,000 per share, plus accumulated and unpaid dividends, if the Trust is in default for an extended period on its asset maintenance requirements with respect to the APS. If the dividends on the APS remain unpaid in an amount equal to two full years' dividends, the holders of the APS as a class have the right to elect a majority of the Board of Trustees. In general, the holders of the APS and the common shares have equal voting rights of one vote per share, except that the holders of the APS, as a separate class, have the right to elect at least two members of the Board of Trustees. The APS have a liquidation preference of \$25,000 per share, plus accumulated and unpaid dividends. The Trust is required to maintain certain asset coverage with respect to the APS as defined in the Trust's By-Laws and the 1940 Act. The Trust pays an annual fee equivalent to 0.15% (0.25% prior to March 2009) of the liquidation value of the APS to broker-dealers as a service fee if the auctions are unsuccessful; otherwise, the annual fee is 0.25%.

3 Distributions to Shareholders

The Trust intends to make monthly distributions of net investment income to common shareholders, after payment of any dividends on any outstanding APS. In addition, at least annually, the Trust intends to distribute all or substantially all of its net realized capital gains, (reduced by available capital loss carryforwards from prior years, if any). Distributions to common shareholders are recorded on the ex-dividend date. Distributions to preferred shareholders are recorded daily and are payable at the end of each dividend period. The dividend rates for the APS at April 30, 2009, and the amount of dividends paid (including capital gains, if any) to APS shareholders, average APS dividend rates (annualized), and dividend rate ranges for the six months then ended were as follows:

| APS | Dividends | Average APS Dividend | Dividend Rate |
|------------|------------------|-------------------------------------|--------------------------|
|------------|------------------|-------------------------------------|--------------------------|

| Series | Dividend | Paid to | Rates | Ranges | |
|--------|-----------|--------------|-------|--------|-------|
| | Rates at | APS | | | |
| | April 30, | Shareholders | | | |
| | 2009 | | | | |
| A | 0.53% | \$ 159,164 | 0.98% | 0.36% | 4.74% |
| B | 0.53% | \$ 159,164 | 0.98% | 0.36% | 4.74% |
| C | 0.45% | \$ 202,804 | 1.25% | 0.38% | 4.29% |
| D | 0.53% | \$ 186,533 | 1.15% | 0.36% | 6.04% |

Beginning February 13, 2008 and consistent with the patterns in the broader market for auction-rate securities, the Trust's APS auctions were unsuccessful in clearing due to an imbalance of sell orders over bids to buy the APS. As a result, the dividend rates of the APS were reset to the maximum applicable rate. The table above reflects such maximum dividend rate for each series as of April 30, 2009.

The Trust distinguishes between distributions on a tax basis and a financial reporting basis. Accounting principles generally accepted in the United States of America require that only distributions in excess of tax basis earnings and profits be reported in the financial statements as a return of capital. Permanent differences between book and tax accounting relating to distributions are reclassified to paid-in capital. For tax purposes, distributions from short-term capital gains are considered to be from ordinary income.

4 Investment Adviser Fee and Other Transactions with Affiliates

The investment adviser fee is earned by EVM as compensation for management and investment advisory services rendered to the Trust. The fee is computed at an annual rate of 0.75% of the Trust's average daily gross assets and is payable monthly. Gross assets as referred to herein represent net assets plus obligations attributable to investment leverage. The portion of the adviser fee payable by Cash Management on the Trust's investment of cash therein is credited against the Trust's adviser fee. For the six months ended April 30, 2009, the Trust's adviser fee totaled \$1,946,799 of which \$12,600 was allocated from Cash Management and \$1,934,199 was paid or accrued directly by the Trust. EVM also serves as administrator of the Trust, but receives no compensation.

In addition, EVM has contractually agreed to reimburse the Trust for fees and other expenses at an annual rate of 0.20% of the Trust's average daily gross assets during the first five full years of the Trust's operations, 0.15% of the Trust's average daily gross assets in year six, 0.10% in year seven and 0.05% in year eight. Pursuant to this agreement, EVM waived \$548,669 of its adviser fee for the six months ended April 30, 2009.

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Eaton Vance Senior Floating-Rate Trust as of April 30, 2009

NOTES TO FINANCIAL STATEMENTS (Unaudited) CONT D

EVM has further agreed to waive its adviser fee to the extent that the cost of the outstanding borrowings to partially redeem the APS is greater than the dividends and preferred shares service fee that would have been incurred had the APS not been redeemed, hereafter referred to as incremental cost. Such waiver is calculated as the lesser of 50% of the Trust's adviser fee on assets attributable to borrowings or the incremental cost and will remain in effect until October 31, 2009. Pursuant to this agreement, EVM waived \$126,048 of its adviser fee for the six months ended April 30, 2009.

Except for Trustees of the Trust who are not members of EVM's organization, officers and Trustees receive remuneration for their services to the Trust out of the investment adviser fee. Trustees of the Trust who are not affiliated with EVM may elect to defer receipt of all or a percentage of their annual fees in accordance with the terms of the Trustees Deferred Compensation Plan. For the six months ended April 30, 2009, no significant amounts have been deferred. Certain officers and Trustees of the Trust are officers of EVM.

5 Purchases and Sales of Investments

Purchases and sales of investments, other than short-term obligations and including maturities and principal repayments on Senior Loans, aggregated \$16,391,616 and \$100,441,663, respectively, for the six months ended April 30, 2009.

6 Common Shares of Beneficial Interest

The Trust may issue common shares pursuant to its dividend reinvestment plan. Common shares issued pursuant to the Trust's dividend reinvestment plan for the six months ended April 30, 2009 were 29,134. There were no transactions in common shares for the year ended October 31, 2008.

7 Federal Income Tax Basis of Investments

The cost and unrealized appreciation (depreciation) of investments of the Trust at April 30, 2009, as determined on a federal income tax basis, were as follows:

| | |
|------------------------------------|-------------------------|
| Aggregate cost | \$ 741,015,040 |
| Gross unrealized appreciation | \$ 1,294,604 |
| Gross unrealized depreciation | (210,395,738) |
| Net unrealized depreciation | \$ (209,101,134) |

8 Restricted Securities

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At April 30, 2009, the Trust owned the following securities (representing less than 0.1% of net assets applicable to common shares) which were restricted as to public resale and not registered under the Securities Act of 1933 (excluding Rule 144A securities). The Trust has various registration rights (exercisable under a variety of circumstances) with respect to these securities. The value of these securities is determined based on valuations provided by brokers when available, or if not available, they are valued at fair value using methods determined in good faith by or at the direction of the Trustees.

| Description | Date of Acquisition | Shares | Cost | Value |
|---|---------------------|--------|---------------------|-------------------|
| Common Stocks | | | | |
| Environmental Systems Products Holdings, Inc. | 10/25/07 | 6,211 | \$ 0 ⁽¹⁾ | \$ 0 |
| Preferred Stocks | | | | |
| Environmental Systems Products Holdings, Inc., Series A | 10/25/07 | 2,845 | \$ 49,788 | \$ 125,208 |
| Total Restricted Stocks | | | \$ 49,788 | \$ 125,208 |

(1) Less than \$0.50.

9 Financial Instruments

The Trust may trade in financial instruments with off-balance sheet risk in the normal course of its investing activities. These financial instruments may include forward foreign currency exchange contracts and may involve, to a varying degree, elements of risk in excess of the amounts recognized for financial statement purposes. The notional or contractual amounts of these instruments represent the investment the Trust has in particular classes of financial instruments and does not necessarily represent the amounts potentially subject to risk. The measurement of the risks associated with these instruments is meaningful only when all related and offsetting transactions are considered.

A summary of obligations under these financial instruments at April 30, 2009 is as follows:

Forward Foreign Currency Exchange Contracts

Sales

| Settlement Date | Deliver | In Exchange For | Net Unrealized Depreciation |
|------------------------|------------------------|------------------------|------------------------------------|
| 5/29/09 | British Pound Sterling | United States Dollar | |
| | 8,119,519 | 11,908,898 | \$(102,390) |
| 5/29/09 | Euro | United States Dollar | |
| | 13,738,357 | 18,014,283 | (161,442) |
| | | | \$(263,832) |

At April 30, 2009, the Trust had sufficient cash and/or securities to cover commitments under these contracts.

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Eaton Vance Senior Floating-Rate Trust as of April 30, 2009

NOTES TO FINANCIAL STATEMENTS (Unaudited) CONT D

10 Revolving Credit and Security Agreement

Effective March 31, 2009, the Trust entered into a Revolving Credit and Security Agreement (the Agreement) with a bank to borrow up to an initial limit of \$150 million. Borrowings under the Agreement are secured by the assets of the Trust. Interest is charged at a rate above the London Interbank Offered Rate (LIBOR) and is payable monthly. Under the terms of the Agreement, the Trust pays a commitment fee of 0.15% on the borrowing limit. The Trust also paid an up-front fee of \$225,000 which is being amortized to interest expense through March 30, 2010, the termination date of the Agreement. The unamortized balance at April 30, 2009 is approximately \$206,000 and is included in prepaid expenses on the Statement of Assets and Liabilities. The Trust is required to maintain certain net asset levels during the term of the Agreement. At April 30, 2009, the Trust had borrowings outstanding under the Agreement of \$65,000,000 at an interest rate of 1.32%. Prior to March 31, 2009, the Trust had a Revolving Credit and Security Agreement with conduit lenders and a bank to borrow up to an initial limit of \$262.7 million at a rate above the conduit s commercial paper issuance rate. Under the terms of such agreement, the Trust paid a program fee of 1.25% per annum on its outstanding borrowings and a liquidity fee of 1.25% per annum on the borrowing limit. In connection with the Trust s termination of the agreement, unamortized structuring fees of approximately \$2,123,000 were written off as a realized loss. For the six months ended April 30, 2009, the average borrowings under the agreements and the average interest rate (annualized) were \$93,317,680 and 2.03%, respectively.

11 Risks Associated with Foreign Investments

Investing in securities issued by companies whose principal business activities are outside the United States may involve significant risks not present in domestic investments. For example, there is generally less publicly available information about foreign companies, particularly those not subject to the disclosure and reporting requirements of the U.S. securities laws. Certain foreign issuers are generally not bound by uniform accounting, auditing, and financial reporting requirements and standards of practice comparable to those applicable to domestic issuers. Investments in foreign securities also involve the risk of possible adverse changes in investment or exchange control regulations, expropriation or confiscatory taxation, limitation on the removal of funds or other assets of the Trust, political or financial instability or diplomatic and other developments which could affect such investments. Foreign stock markets, while growing in volume and sophistication, are generally not as developed as those in the United States, and securities of some foreign issuers (particularly those located in developing countries) may be less liquid and more volatile than securities of comparable U.S. companies. In general, there is less overall governmental supervision and regulation of foreign securities markets, broker-dealers and issuers than in the United States.

12 Concentration of Credit Risk

The Trust invests primarily in below investment grade floating-rate loans and floating-rate debt obligations, which are considered speculative because of the credit risk of their issuers. Changes in economic conditions or other circumstances are more likely to reduce the capacity of issuers of these securities to make principal and interest payments. Such companies are more likely to default on their payments of interest and principal owed than issuers of investment grade bonds. An economic downturn generally leads to a higher non-payment rate, and a loan or other debt obligation may lose significant value before a default occurs. Lower rated investments also may be subject to greater price volatility than higher rated investments.

Moreover, the specific collateral used to secure a loan may decline in value or become illiquid, which would adversely affect the loan's value.

13 Fair Value Measurements

The Trust adopted Financial Accounting Standards Board (FASB) Statement of Financial Accounting Standards No. 157 (FAS 157), Fair Value Measurements, effective November 1, 2008. FAS 157 established a three-tier hierarchy to prioritize the assumptions, referred to as inputs, used in valuation techniques to measure fair value. The three-tier hierarchy of inputs is summarized in the three broad levels listed below.

Level 1 quoted prices in active markets for identical investments

Level 2 other significant observable inputs (including quoted prices for similar investments, interest rates, prepayment speeds, credit risk, etc.)

Level 3 significant unobservable inputs (including a fund's own assumptions in determining the fair value of investments)

The inputs or methodology used for valuing securities are not necessarily an indication of the risk associated with investing in those securities.

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Eaton Vance Senior Floating-Rate Trust as of April 30, 2009

NOTES TO FINANCIAL STATEMENTS (Unaudited) CONT D

At April 30, 2009, the inputs used in valuing the Trust's investments, which are carried at value, were as follows:

| | Valuation Inputs | Investments in Securities | Other Financial Instruments* |
|--------------|-------------------------------------|----------------------------------|-------------------------------------|
| Level 1 | Quoted Prices | \$ 7,219,722 | \$ |
| Level 2 | Other Significant Observable Inputs | 523,337,079 | (263,832) |
| Level 3 | Significant Unobservable Inputs | 1,357,105 | |
| Total | | \$ 531,913,906 | \$ (263,832) |

* Other financial instruments are forward foreign currency exchange contracts not reflected in the Portfolio of Investments, which are valued at the unrealized appreciation (depreciation) on the instrument.

The following is a reconciliation of Level 3 assets for which significant unobservable inputs were used to determine fair value:

| | Investments in Securities |
|---|----------------------------------|
| Balance as of October 31, 2008 | \$ 993,778 |
| Realized gains (losses) | 14 |
| Change in net unrealized appreciation (depreciation)* | (929,524) |
| Net purchases (sales) | 252,656 |
| Accrued discount (premium) | (6,197) |
| Net transfer to (from) Level 3 | 1,046,378 |
| Balance as of April 30, 2009 | \$ 1,357,105 |
| Change in net unrealized appreciation (depreciation) on investments still held as of April 30, 2009* | \$ (778,927) |

* Amount is included in the related amount on investments in the Statement of Operations.

14 Recently Issued Accounting Pronouncement

In March 2008, the FASB issued Statement of Financial Accounting Standards No. 161 (FAS 161), Disclosures about Derivative Instruments and Hedging Activities . FAS 161 requires enhanced disclosures about an entity's derivative and hedging activities, including qualitative disclosures about the objectives and strategies for using derivatives, quantitative disclosures about fair value amounts of and gains and losses on derivative instruments, and disclosures about credit-risk related contingent features in derivative instruments. FAS 161 is effective for fiscal years and interim periods beginning after November 15, 2008. Management is currently evaluating the impact the adoption of FAS 161 will have on the Trust's financial statement disclosures.

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Eaton Vance Senior Floating-Rate Trust

DIVIDEND REINVESTMENT PLAN

The Trust offers a dividend reinvestment plan (the Plan) pursuant to which shareholders may elect to have dividends and capital gains distributions reinvested in common shares (the Shares) of the Trust. You may elect to participate in the Plan by completing the Dividend Reinvestment Plan Application Form. If you do not participate, you will receive all distributions in cash paid by check mailed directly to you by American Stock Transfer & Trust Company as dividend paying agent. On the distribution payment date, if the net asset value per Share is equal to or less than the market price per Share plus estimated brokerage commissions, then new Shares will be issued. The number of Shares shall be determined by the greater of the net asset value per Share or 95% of the market price. Otherwise, Shares generally will be purchased on the open market by the Plan Agent. Distributions subject to income tax (if any) are taxable whether or not shares are reinvested.

If your shares are in the name of a brokerage firm, bank, or other nominee, you can ask the firm or nominee to participate in the Plan on your behalf. If the nominee does not offer the Plan, you will need to request that your shares be re-registered in your name with the Trust's transfer agent, American Stock Transfer & Trust Company, or you will not be able to participate.

The Plan Agent's service fee for handling distributions will be paid by the Trust. Each participant will be charged their pro rata share of brokerage commissions on all open-market purchases.

Plan participants may withdraw from the Plan at any time by writing to the Plan Agent at the address noted on the following page. If you withdraw, you will receive shares in your name for all Shares credited to your account under the Plan. If a participant elects by written notice to the Plan Agent to have the Plan Agent sell part or all of his or her Shares and remit the proceeds, the Plan Agent is authorized to deduct a \$5.00 fee plus brokerage commissions from the proceeds.

If you wish to participate in the Plan and your shares are held in your own name, you may complete the form on the following page and deliver it to the Plan Agent.

Any inquiries regarding the Plan can be directed to the Plan Agent, American Stock Transfer & Trust Company, at 1-866-439-6787.

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Eaton Vance Senior Floating-Rate Trust

APPLICATION FOR PARTICIPATION IN DIVIDEND REINVESTMENT PLAN

This form is for shareholders who hold their common shares in their own names. If your common shares are held in the name of a brokerage firm, bank, or other nominee, you should contact your nominee to see if it will participate in the Plan on your behalf. If you wish to participate in the Plan, but your brokerage firm, bank, or nominee is unable to participate on your behalf, you should request that your common shares be re-registered in your own name which will enable your participation in the Plan.

The following authorization and appointment is given with the understanding that I may terminate it at any time by terminating my participation in the Plan as provided in the terms and conditions of the Plan.

Please print exact name on account:

| | |
|-----------------------|------|
| Shareholder signature | Date |
| Shareholder signature | Date |

Please sign exactly as your common shares are registered. All persons whose names appear on the share certificate must sign.

YOU SHOULD NOT RETURN THIS FORM IF YOU WISH TO RECEIVE YOUR DISTRIBUTIONS IN CASH. THIS IS NOT A PROXY.

This authorization form, when signed, should be mailed to the following address:

Eaton Vance Senior Floating-Rate Trust
c/o American Stock Transfer & Trust Company
P.O. Box 922
Wall Street Station
New York, NY 10269-0560

Number of Employees

The Trust is organized as a Massachusetts business trust and is registered under the Investment Company Act of 1940, as amended, as a diversified, closed-end management investment company and has no employees.

Number of Shareholders

As of April 30, 2009, our records indicate that there are 51 registered shareholders and approximately 25,105 shareholders owning the Trust shares in street name, such as through brokers, banks, and financial intermediaries.

If you are a street name shareholder and wish to receive our reports directly, which contain important information about the Trust, please write or call:

Eaton Vance Distributors, Inc.
Two International Place
Boston, MA 02110
1-800-262-1122

New York Stock Exchange symbol

The New York Stock Exchange symbol is EFR.

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Eaton Vance Senior Floating-Rate Trust

BOARD OF TRUSTEES ANNUAL APPROVAL OF THE INVESTMENT ADVISORY AGREEMENT

Overview of the Contract Review Process

The Investment Company Act of 1940, as amended (the 1940 Act), provides, in substance, that each investment advisory agreement between a fund and its investment adviser will continue in effect from year to year only if its continuance is approved at least annually by the fund's board of trustees, including by a vote of a majority of the trustees who are not interested persons of the fund (Independent Trustees), cast in person at a meeting called for the purpose of considering such approval.

At a meeting of the Boards of Trustees (each a Board) of the Eaton Vance group of mutual funds (the Eaton Vance Funds) held on April 27, 2009, the Board, including a majority of the Independent Trustees, voted to approve continuation of existing advisory and sub-advisory agreements for the Eaton Vance Funds for an additional one-year period. In voting its approval, the Board relied upon the affirmative recommendation of the Contract Review Committee of the Board (formerly the Special Committee), which is a committee comprised exclusively of Independent Trustees. Prior to making its recommendation, the Contract Review Committee reviewed information furnished for a series of meetings of the Contract Review Committee held in February, March and April 2009. Such information included, among other things, the following:

Information about Fees, Performance and Expenses

- An independent report comparing the advisory and related fees paid by each fund with fees paid by comparable funds;
- An independent report comparing each fund's total expense ratio and its components to comparable funds;
- An independent report comparing the investment performance of each fund to the investment performance of comparable funds over various time periods;
- Data regarding investment performance in comparison to relevant peer groups of funds and appropriate indices;
- Comparative information concerning fees charged by each adviser for managing other mutual funds and institutional accounts using investment strategies and techniques similar to those used in managing the fund;
- Profitability analyses for each adviser with respect to each fund;

Information about Portfolio Management

- Descriptions of the investment management services provided to each fund, including the investment strategies and processes employed, and any changes in portfolio management processes and personnel;
- Information concerning the allocation of brokerage and the benefits received by each adviser as a result of brokerage allocation, including information concerning the acquisition of research through soft dollar benefits received in connection with the funds' brokerage, and the implementation of a soft dollar reimbursement program established with respect to the funds;
- Data relating to portfolio turnover rates of each fund;
- The procedures and processes used to determine the fair value of fund assets and actions taken to monitor and test the effectiveness of such procedures and processes;

Information about each Adviser

- Reports detailing the financial results and condition of each adviser;

Descriptions of the qualifications, education and experience of the individual investment professionals whose responsibilities include portfolio management and investment research for the funds, and information relating to their compensation and responsibilities with respect to managing other mutual funds and investment accounts;
Copies of the Codes of Ethics of each adviser and its affiliates, together with information relating to compliance with and the administration of such codes;

Copies of or descriptions of each adviser's proxy voting policies and procedures;

Information concerning the resources devoted to compliance efforts undertaken by each adviser and its affiliates on behalf of the funds (including descriptions of various compliance programs) and their record of compliance with investment policies and restrictions, including policies with respect to market-timing, late trading and selective portfolio disclosure, and with policies on personal securities transactions;

Descriptions of the business continuity and disaster recovery plans of each adviser and its affiliates;

Other Relevant Information

Information concerning the nature, cost and character of the administrative and other non-investment management services provided by Eaton Vance Management and its affiliates;

Information concerning management of the relationship with the custodian, subcustodians and fund accountants by each adviser or the funds' administrator; and

The terms of each advisory agreement.

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Eaton Vance Senior Floating-Rate Trust

BOARD OF TRUSTEES ANNUAL APPROVAL OF THE INVESTMENT ADVISORY AGREEMENT CONT D

In addition to the information identified above, the Contract Review Committee considered information provided from time to time by each adviser throughout the year at meetings of the Board and its committees. Over the course of the twelve-month period ended April 30, 2009, the Board met eighteen times and the Contract Review Committee, the Audit Committee, the Governance Committee, the Portfolio Management Committee and the Compliance Reports and Regulatory Matters Committee, each of which is a Committee comprised solely of Independent Trustees, met seven, five, six, six and six times, respectively. At such meetings, the Trustees received, among other things, presentations by the portfolio managers and other investment professionals of each adviser relating to the investment performance of each fund and the investment strategies used in pursuing the fund's investment objective.

For funds that invest through one or more underlying portfolios, the Board considered similar information about the portfolio(s) when considering the approval of advisory agreements. In addition, in cases where the fund's investment adviser has engaged a sub-adviser, the Board considered similar information about the sub-adviser when considering the approval of any sub-advisory agreement.

The Contract Review Committee was assisted throughout the contract review process by Goodwin Procter LLP, legal counsel for the Independent Trustees. The members of the Contract Review Committee relied upon the advice of such counsel and their own business judgment in determining the material factors to be considered in evaluating each advisory and sub-advisory agreement and the weight to be given to each such factor. The conclusions reached with respect to each advisory and sub-advisory agreement were based on a comprehensive evaluation of all the information provided and not any single factor. Moreover, each member of the Contract Review Committee may have placed varying emphasis on particular factors in reaching conclusions with respect to each advisory and sub-advisory agreement.

Results of the Process

Based on its consideration of the foregoing, and such other information as it deemed relevant, including the factors and conclusions described below, the Contract Review Committee concluded that the continuance of the investment advisory agreement between Eaton Vance Senior Floating-Rate Trust (the Fund), and Eaton Vance Management (the Adviser), including its fee structure, is in the interests of shareholders and, therefore, the Contract Review Committee recommended to the Board approval of the agreement. The Board accepted the recommendation of the Contract Review Committee as well as the factors considered and conclusions reached by the Contract Review Committee with respect to the agreement. Accordingly, the Board, including a majority of the Independent Trustees, voted to approve continuation of the investment advisory agreement for the Fund.

Nature, Extent and Quality of Services

In considering whether to approve the investment advisory agreement of the Fund, the Board evaluated the nature, extent and quality of services provided to the Fund by the Adviser.

The Board considered the Adviser's management capabilities and investment process with respect to the types of investments held by the Fund, including the education, experience and number of its investment professionals and other personnel who provide portfolio management, investment research, and similar services to the Fund, including recent changes to such personnel. In particular, the Board evaluated the abilities and experience of such investment

personnel in analyzing special considerations relevant to investing in senior secured floating-rate loans. Specifically, the Board noted the experience of the Adviser's large group of bank loan investment professionals and other personnel who provide services to the Fund, including portfolio managers and analysts. The Board also took into account the resources dedicated to portfolio management and other services, including the compensation paid to recruit and retain investment personnel, and the time and attention devoted to the Fund by senior management.

The Board also reviewed the compliance programs of the Adviser and relevant affiliates thereof. Among other matters, the Board considered compliance and reporting matters relating to personal trading by investment personnel, selective disclosure of portfolio holdings, late trading, frequent trading, portfolio valuation, business continuity and the allocation of investment opportunities. The Board also evaluated the responses of the Adviser and its affiliates to requests from regulatory authorities such as the Securities and Exchange Commission and the Financial Industry Regulatory Authority.

The Board considered shareholder and other administrative services provided or managed by Eaton Vance Management and its affiliates, including transfer agency and accounting services. The Board evaluated the benefits to shareholders of investing in a fund that is a part of a large family of funds.

The Board considered the Adviser's recommendations for Board action and other steps taken in response to the unprecedented dislocations experienced in the capital markets over recent periods, including sustained periods of high volatility, credit disruption and government intervention. In particular, the Board considered the Adviser's efforts and expertise with respect to each of the following matters as they relate to the Fund and/or other funds within the Eaton Vance family of funds: (i) negotiating and maintaining the

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Eaton Vance Senior Floating-Rate Trust

BOARD OF TRUSTEES ANNUAL APPROVAL OF THE INVESTMENT ADVISORY AGREEMENT CONT D

availability of bank loan facilities and other sources of credit used for investment purposes or to satisfy liquidity needs; (ii) establishing the fair value of securities and other instruments held in investment portfolios during periods of market volatility and issuer-specific disruptions; and (iii) the ongoing monitoring of investment management processes and risk controls. In addition, the Board considered the Adviser's actions with respect to the Auction Preferred Shares (APS) issued by the Fund, including the Adviser's efforts to seek alternative forms of debt and other leverage that may over time reduce financing costs associated with APS and enable the Fund to restore liquidity for APS holders.

After consideration of the foregoing factors, among others, the Board concluded that the nature, extent and quality of services provided by the Adviser, taken as a whole, are appropriate and consistent with the terms of the investment advisory agreement.

Fund Performance

The Board compared the Fund's investment performance to a relevant universe of similarly managed funds identified by an independent data provider and appropriate benchmark indices. The Board reviewed comparative performance data for the one- and three-year periods ended September 30, 2008 for the Fund. On the basis of the foregoing and other relevant information, the Board concluded, under the circumstances, that the performance of the Fund was satisfactory.

Management Fees and Expenses

The Board reviewed contractual investment advisory fee rates, including any administrative fee rates, payable by the Fund (referred to as management fees). As part of its review, the Board considered the management fees and the Fund's total expense ratio for the year ended September 30, 2008, as compared to a group of similarly managed funds selected by an independent data provider. The Board considered the fact that the Adviser had waived fees and/or paid expenses for the Fund.

After reviewing the foregoing information, and in light of the nature, extent and quality of the services provided by the Adviser, the Board concluded that the management fees charged for advisory and related services and the Fund's total expense ratio are reasonable.

Profitability

The Board reviewed the level of profits realized by the Adviser and relevant affiliates thereof in providing investment advisory and administrative services to the Fund and to all Eaton Vance Funds as a group. The Board considered the level of profits realized with and without regard to revenue sharing or other payments by the Adviser and its affiliates to third parties in respect of distribution services. The Board also considered other direct or indirect benefits received by the Adviser and its affiliates in connection with its relationship with the Fund.

The Board concluded that, in light of the foregoing factors and the nature, extent and quality of the services rendered, the profits realized by the Adviser and its affiliates are reasonable.

Economies of Scale

In reviewing management fees and profitability, the Board also considered the extent to which the Adviser and its affiliates, on the one hand, and the Fund, on the other hand, can expect to realize benefits from economies of scale as the assets of the Fund increase. The Board acknowledged the difficulty in accurately measuring the benefits resulting from the economies of scale with respect to the management of any specific fund or group of funds. The Board also considered the fact that the Fund is not continuously offered and concluded that, in light of the level of the adviser's profits with respect to the Fund, the implementation of breakpoints in the advisory fee schedule is not appropriate at this time. Based upon the foregoing, the Board concluded that the benefits from economies of scale are currently being shared equitably by the Adviser and its affiliates and the Fund.

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Eaton Vance Senior Floating-Rate Trust

OFFICERS AND TRUSTEES

Officers

Payson F. Swaffield
President

Peter M. Campo
Vice President

Scott H. Page
Vice President

Craig P. Russ
Vice President

Michael W. Weilheimer
Vice President

Barbara E. Campbell
Treasurer

Maureen A. Gemma
Secretary and Chief Legal Officer

Paul M. O Neil
Chief Compliance Officer

Trustees

Ralph F. Verni
Chairman

Benjamin C. Esty

Thomas E. Faust Jr.

Allen R. Freedman

William H. Park

Ronald A. Pearlman

Helen Frame Peters

Heidi L. Steiger

Lynn A. Stout

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**Investment Adviser and Administrator of
Eaton Vance Senior Floating-Rate Trust
Eaton Vance Management**

Two International Place
Boston, MA 02110

Custodian

State Street Bank and Trust Company

200 Clarendon Street
Boston, MA 02116

Transfer Agent

American Stock Transfer & Trust Company

59 Maiden Lane
Plaza Level
New York, NY 10038

Eaton Vance Senior Floating-Rate Trust

**Two International Place
Boston, MA 02110**

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2025-6/09

CE-FLRTSRC

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Item 2. Code of Ethics

The registrant has adopted a code of ethics applicable to its Principal Executive Officer, Principal Financial Officer and Principal Accounting Officer. The registrant undertakes to provide a copy of such code of ethics to any person upon request, without charge, by calling 1-800-262-1122.

Item 3. Audit Committee Financial Expert

The registrant's Board has designated William H. Park, an independent trustee, as its audit committee financial expert. Mr. Park is a certified public accountant who is the Vice Chairman of Commercial Industrial Finance Corp (specialty finance company). Previously, he served as President and Chief Executive Officer of Prizm Capital Management, LLC (investment management firm) and as Executive Vice President and Chief Financial Officer of United Asset Management Corporation (UAM) (a holding company owning institutional investment management firms).

Item 4. Principal Accountant Fees and Services

Not required in this filing

Item 5. Audit Committee of Listed registrants

Not required in this filing.

Item 6. Schedule of Investments

Please see schedule of investments contained in the Report to Stockholders included under Item 1 of this Form N-CSR.

Item 7. Disclosure of Proxy Voting Policies and Procedures for Closed-End Management Investment Companies

The Board of Trustees of the Trust has adopted a proxy voting policy and procedure (the Fund Policy), pursuant to which the Trustees have delegated proxy voting responsibility to the Fund's investment adviser and adopted the investment adviser's proxy voting policies and procedures (the Policies) which are described below. The Trustees will review the Fund's proxy voting records from time to time and will annually consider approving the Policies for the upcoming year. In the event that a conflict of interest arises between the Fund's shareholders and the investment adviser, the administrator, or any of their affiliates or any affiliate of the Fund, the investment adviser will generally refrain from voting the proxies related to the companies giving rise to such conflict until it consults with the Board's Contract Review Committee except as contemplated under the Fund Policy. The Board's Contract Review Committee will instruct the investment adviser on the appropriate course of action.

The Policies are designed to promote accountability of a company's management to its shareholders and to align the interests of management with those shareholders. An independent proxy voting service (Agent), currently Institutional Shareholder Services, Inc., has been retained to assist in the voting of proxies through the provision of vote analysis, implementation and recordkeeping and disclosure services. The investment adviser will generally vote proxies through the Agent. The Agent is required to vote all proxies and/or refer then back to the investment adviser pursuant to the Policies. It is generally the policy of the investment adviser to vote in accordance with the recommendation of the Agent. The Agent shall refer to the investment adviser proxies relating to mergers and restructurings, and the disposition of assets, termination, liquidation and mergers contained in mutual fund proxies. The investment adviser will normally vote against anti-takeover measures and other proposals designed to limit the ability of shareholders to act on possible transactions, except in the case of closed-end management investment companies. The investment adviser generally supports management on social and environmental proposals. The investment adviser may abstain from voting from time to time where

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it determines that the costs associated with voting a proxy outweighs the benefits derived from exercising the right to vote or the economic effect on shareholders interests or the value of the portfolio holding is indeterminable or insignificant.

In addition, the investment adviser will monitor situations that may result in a conflict of interest between the Fund's shareholders and the investment adviser, the administrator, or any of their affiliates or any affiliate of the Fund by maintaining a list of significant existing and prospective corporate clients. The investment adviser's personnel responsible for reviewing and voting proxies on behalf of the Fund will report any proxy received or expected to be received from a company included on that list to the personal of the investment adviser identified in the Policies. If such personnel expects to instruct the Agent to vote such proxies in a manner inconsistent with the guidelines of the Policies or the recommendation of the Agent, the personnel will consult with members of senior management of the investment adviser to determine if a material conflict of interests exists. If it is determined that a material conflict does exist, the investment adviser will seek instruction on how to vote from the Contract Review Committee.

Information on how the Fund voted proxies relating to portfolio securities during the most recent 12 month period ended June 30 is available (1) without charge, upon request, by calling 1-800-262-1122, and (2) on the Securities and Exchange Commission's website at <http://www.sec.gov>.

Item 8. Portfolio Managers of Closed-End Management Investment Companies

Not required in this filing.

Item 9. Purchases of Equity Securities by Closed-End Management Investment Company and Affiliated Purchasers.

No such purchases this period.

Item 10. Submission of Matters to a Vote of Security Holders.

No Material Changes.

Item 11. Controls and Procedures

(a) It is the conclusion of the registrant's principal executive officer and principal financial officer that the effectiveness of the registrant's current disclosure controls and procedures (such disclosure controls and procedures having been evaluated within 90 days of the date of this filing) provide reasonable assurance that the information required to be disclosed by the registrant has been recorded, processed, summarized and reported within the time period specified in the Commission's rules and forms and that the information required to be disclosed by the registrant has been accumulated and communicated to the registrant's principal executive officer and principal financial officer in order to allow timely decisions regarding required disclosure.

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(b) There have been no changes in the registrant's internal controls over financial reporting during the second fiscal quarter of the period covered by this report that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting.

Item 12. Exhibits

- (a)(1) Registrant's Code of Ethics Not applicable (please see Item 2).
 - (a)(2)(i) Treasurer's Section 302 certification.
 - (a)(2)(ii) President's Section 302 certification.
 - (b) Combined Section 906 certification.
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Signatures

Pursuant to the requirements of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

Eaton Vance Senior Floating-Rate Trust

B/s/ Scott H. Page
Scott H. Page
President

Date: June 16, 2009

Pursuant to the requirements of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, this report has been signed below by the following persons on behalf of the registrant and in the capacities and on the dates indicated.

B/s/ Barbara E. Campbell
Barbara E. Campbell
Treasurer

Date: June 16, 2009

B/s/ Scott H. Page
Scott H. Page
President

Date: June 16, 2009