

EATON VANCE SENIOR FLOATING RATE TRUST  
Form N-CSRS  
June 28, 2007

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)

The Eaton Vance Building, 255 State Street, Boston, Massachusetts  
(Address of principal executive offices)

02109  
(Zip code)

Alan R. Dynner

The Eaton Vance Building, 255 State Street, Boston, Massachusetts 02109  
(Name and address of agent for service)

Registrant's telephone number, including area code: (617) 482-8260

Date of fiscal year end: October 31

Date of reporting period: April 30, 2007

**Item 1. Reports to Stockholders**

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Semiannual Report April 30, 2007

EATON VANCE  
SENIOR  
FLOATING-RATE  
TRUST

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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](http://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 househomed, 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](http://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](http://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](http://www.sec.gov).

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**Eaton Vance Senior Floating-Rate Trust as of April 30, 2007**

**INVESTMENT UPDATE**

The Trust

Performance for the Past Six Months

- Based on share price, Eaton Vance Senior Floating-Rate Trust (the Trust), a closed-end fund traded on the New York Stock Exchange, had a total return of 9.77% for the six months ended April 30, 2007. That return was the result of an increase in share price to \$19.18 on April 30, 2007, from \$18.24 on October 31, 2006, and the reinvestment of \$0.808 in dividends.(1)
- Based on net asset value (NAV), the Trust had a total return of 5.06% for the six months ended April 30, 2007. That return was the result of an increase in NAV to \$18.81 on April 30, 2007, from \$18.69 on October 31, 2006, and the reinvestment of all distributions. (1)
- Based on its April 2007 monthly dividend payment of \$0.13 and a closing share price of \$19.18, the Trust had a market yield of 8.13%.(2)
- For performance comparison, the S&P/LSTA Leveraged Loan Index an unmanaged index of U.S. dollar-denominated leveraged loans had a total return of 3.86% for the six months ended April 30, 2007.(3)

The Trust's Investments

- The Trust's loan investments represented 454 borrowers and 39 industries as of April 30, 2007. The Trust's average loan size was 0.19% of total investments, and no industry constituted more than 8.0% of the Trust's total assets. Health care, business equipment/services, leisure goods/activities/movies, publishing and chemicals/plastics were the Trust's largest industry weightings. (4)
- In the six months ended April 30, 2007, despite record new loan issuance, demand exceeded loan supply. The technical imbalance resulted in loans repricing at slightly lower credit spreads. In addition, certain large new issues came to market with fewer financial covenants. However, despite this fact, management notes that the chief determinants of the loan asset class's long-term performance seniority and security remain in place. Reflecting increasing investor demand for loans, the Trust's share price traded at a premium at April 30, 2007, reversing the discount that prevailed throughout most of 2006.
- The Trust had a 7.0% exposure in European loans at April 30, 2007. European issuance continued to grow and represented further opportunities for diversification. For example, while there may be concerns about a slowing U.S. economy, the Trust benefited from loans to companies operating in the relatively robust U.K. and German economies. All of the Trust's non-dollar-denominated investments were hedged to help protect against foreign currency risk.
- The Trust's 8% investment in high-yield bonds contributed to performance during the six months ended April 30, 2007. With high-yield spreads at historically low levels, the Trust's bond investments remained focused on shorter-maturity securities, while avoiding deeply subordinated and overleveraged new issues.
- At April 30, 2007, the Trust had leverage in the amount of approximately 38.5% of the Trust's total assets. The Trust employs leverage through the issuance of Auction Preferred Shares (APS).(5) Use of financial leverage creates an opportunity for increased income but, at the same time, creates special risks (including the likelihood of

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greater volatility of net asset value and market price of common shares). The cost of the Trust's APS rises and falls with changes in short-term interest rates. Such increases/ decreases in the cost of the Trust's APS may be offset by increased/decreased income from the Trust's senior loan investments.

*The views expressed in 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 Eaton Vance disclaims any responsibility to update such views. These views may not be relied on as investment advice and, because investment decisions for an Eaton Vance fund are based on many factors, may not be relied on as an indication of trading intent on behalf of any Eaton Vance fund.*

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- (1) Performance results reflect the effect of leverage resulting from the Trust's issuance of Auction Preferred Shares. Absent an expense waiver by the investment adviser, returns would be lower.*
- (2) The Trust's market yield is calculated by dividing the most recent dividend per share by the share market price at the end of the period and annualizing the result.*
- (3) 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, such as the issuance of Auction Preferred Shares.*
- (4) Holdings and industry weightings are subject to change due to active management.*
- (5) 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 Auction Preferred Shares.*

*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. 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. For performance as of the most recent month end, please refer to [www.eatonvance.com](http://www.eatonvance.com).*

Shares of the Trust 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.

**Eaton Vance Senior Floating-Rate Trust as of April 30, 2007****PERFORMANCE**

## Performance(1)

Average Annual Total Return (by share price, NYSE)	
Six Months	9.77 %
One Year	18.49
Life of Trust (11/28/03)	7.40
Average Annual Total Return (at net asset value)	
Six Months	5.06 %
One Year	8.74
Life of Trust (11/28/03)	6.79

(1) Performance results reflect the effect of leverage resulting from the Trust's issuance of Auction Preferred Shares. Absent an expense waiver by the investment adviser, the returns would be lower. 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 Auction Preferred Shares.

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. 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. For performance as of the most recent month end, please refer to [www.eatonvance.com](http://www.eatonvance.com).

## Diversification by Industries(2)

## By total investments

Health Care	7.5 %
Business Equip. & Services	7.2
Leisure Goods/Activities/Movies	6.1
Chemicals & Plastics	5.9
Publishing	5.4
Building & Development	5.2
Cable & Satellite Television	4.7
Radio & Television	4.5
Automotive	4.3
Telecommunications	4.2
Containers & Glass Products	3.2
Retailers (Except Food & Drug)	3.2
Lodging & Casinos	3.1
Electronics/Electrical	2.8
Utilities	2.6
Oil & Gas	2.4
Financial Intermediaries	2.4
Food Products	2.4
Forest Products	1.8
Industrial Equipment	1.8
Conglomerates	1.8 %
Nonferrous Metals/Minerals	1.7
Aerospace & Defense	1.7
Ecological Services & Equip.	1.6

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Food Service	1.4
Food/Drug Retailers	1.3
Home Furnishings	1.2
Insurance	0.9
Drugs	0.9
Equipment Leasing	0.7
Surface Transport	0.7
Beverage & Tobacco	0.7
Clothing/Textiles	0.5
Farming/Agriculture	0.3
Air Transport	0.3
Broker/Dealer/Investment	0.3
Rail Industries	0.3
Cosmetics/Toiletries	0.3
Steel	0.1

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(2) Reflects the Trust's investments as of April 30, 2007. Industries are shown as a percentage of the Trust's total investments. Portfolio information may not be representative of the Trust's current or future investments and are subject to change due to active management.

Trust allocations(3)

By total investments

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(3) Trust Allocations are shown as a percentage of the Trust's total investments, which represents 159.1% of the Trust's net assets as of April 30, 2007. Trust statistics may not be representative of the Trust's current or future investments and are subject to change due to active management.

## Eaton Vance Senior Floating-Rate Trust as of April 30, 2007

## PORTFOLIO OF INVESTMENTS (Unaudited)

Senior, Floating Rate Interests 139.2%			
Principal Amount		Borrower/Tranche Description	Value
Aerospace and Defense 2.6%			
DRS Technologies, Inc.			
\$	828,386	Term Loan, 6.86%, Maturing January 31, 2013	\$ 830,561
Evergreen International Aviation			
	1,472,461	Term Loan, 8.83%, Maturing October 31, 2011	1,481,664
Hawker Beechcraft Acquisition			
	176,702	Term Loan, 5.25%, Maturing March 26, 2014	177,538
	2,088,298	Term Loan, 7.32%, Maturing March 26, 2014	2,098,180
Hexcel Corp.			
	1,386,641	Term Loan, 7.11%, Maturing March 1, 2012	1,391,840
IAP Worldwide Services, Inc.			
	962,813	Term Loan, 9.69%, Maturing December 30, 2012	965,069
K&F Industries, Inc.			
	1,385,545	Term Loan, 7.32%, Maturing November 18, 2012	1,387,927
Spirit AeroSystems, Inc.			
	1,622,010	Term Loan, 7.11%, Maturing December 31, 2011	1,631,134
Standard Aero Holdings, Inc.			
	1,220,448	Term Loan, 7.59%, Maturing August 24, 2012	1,222,737
TransDigm, Inc.			
	1,625,000	Term Loan, 7.35%, Maturing June 23, 2013	1,636,578
Vought Aircraft Industries, Inc.			
	2,138,729	Term Loan, 7.83%, Maturing December 17, 2011	2,157,443
Wesco Aircraft Hardware Corp.			
	1,164,229	Term Loan, 7.60%, Maturing September 29, 2013	1,173,689
Wyle Laboratories, Inc.			
	250,335	Term Loan, 8.11%, Maturing January 28, 2011	251,665
			\$ 16,406,025
Air Transport 0.3%			
Northwest Airlines, Inc.			
\$	2,100,000	DIP Loan, 7.32%, Maturing August 21, 2008	\$ 2,109,845
			\$ 2,109,845
Automotive 6.4%			
AA Acquisitions Co., Ltd.			
GBP	1,000,000	Term Loan, 7.90%, Maturing June 25, 2012	\$ 2,029,564
Accuride Corp.			

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	2,024,423	Term Loan, 7.38%, Maturing January 31, 2012	2,038,762
Affina Group, Inc.			
	1,370,985	Term Loan, 8.36%, Maturing November 30, 2011	1,381,910
AxleTech International Holding, Inc.			
	1,750,000	Term Loan, 11.85%, Maturing April 21, 2013	1,767,500
Principal Amount			
		Borrower/Tranche Description	Value
Automotive (continued)			
CSA Acquisition Corp.			
\$	361,032	Term Loan, 7.88%, Maturing December 23, 2011	\$ 363,232
	929,390	Term Loan, 7.88%, Maturing December 23, 2011	935,054
	493,750	Term Loan, 7.88%, Maturing December 23, 2012	497,453
Dana Corp.			
	2,350,000	Term Loan, 7.88%, Maturing March 30, 2008	2,357,894
Dayco Products, LLC			
	2,009,813	Term Loan, 7.85%, Maturing June 21, 2011	2,031,585
Exide Technologies, Inc.			
	600,067	Term Loan, 11.63%, Maturing May 5, 2010	630,821
	606,424	Term Loan, 11.63%, Maturing May 5, 2010	637,503
Federal-Mogul Corp.			
	2,915,607	Revolving Loan, 6.83%, Maturing July 1, 2007 <sup>(2)</sup>	2,904,977
Ford Motor Co.			
	1,770,563	Term Loan, 8.36%, Maturing December 15, 2013	1,784,784
General Motors Corp.			
	1,446,375	Term Loan, 7.73%, Maturing November 29, 2013	1,459,483
Goodyear Tire & Rubber Co.			
	2,400,000	Term Loan, 7.10%, Maturing April 30, 2010	2,412,127
	1,000,000	Term Loan, 8.82%, Maturing March 1, 2011	1,006,000
HLI Operating Co., Inc.			
	1,788,705	Term Loan, 8.84%, Maturing June 3, 2009	1,798,394
Keystone Automotive Operations, Inc.			
	897,750	Term Loan, 8.54%, Maturing January 12, 2012	896,628
Osprey Acquisitions, Ltd.			
GBP	1,000,000	Term Loan, 7.79%, Maturing September 30, 2011	2,024,014
R.J. Tower Corp.			
	1,725,000	Revolving Loan, 9.94%, Maturing August 2, 2007	1,723,613
The Hertz Corp.			
	400,000	Term Loan, 5.35%, Maturing December 21, 2012	403,234
	2,234,400	Term Loan, 7.08%, Maturing December 21, 2012	2,252,467
TriMas Corp.			

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	234,375	Term Loan, 8.07%, Maturing August 2, 2011	237,598
	1,010,547	Term Loan, 8.12%, Maturing August 2, 2013	1,024,442
TRW Automotive, Inc.			
	4,494,415	Term Loan, 6.94%, Maturing June 30, 2012	4,495,822
United Components, Inc.			
	1,346,629	Term Loan, 7.61%, Maturing June 30, 2010	1,355,045
			\$ 40,449,906
Beverage and Tobacco 1.1%			
Constellation Brands, Inc.			
\$	1,583,333	Term Loan, 6.88%, Maturing June 5, 2013	\$ 1,589,600
Culligan International Co.			
	770,580	Term Loan, 7.07%, Maturing September 30, 2011	771,785

See notes to financial statements

## Eaton Vance Senior Floating-Rate Trust as of April 30, 2007

## PORTFOLIO OF INVESTMENTS (Unaudited) CONT'D

Principal Amount		Borrower/Tranche Description	Value
Beverage and Tobacco (continued)			
Reynolds American, Inc.			
\$	2,927,875	Term Loan, 7.11%, Maturing May 31, 2012	\$ 2,951,925
Southern Wine & Spirits of America, Inc.			
	1,435,111	Term Loan, 6.85%, Maturing May 31, 2012	1,443,183
			\$ 6,756,493
Brokers, Dealers, and Investment Houses 0.3%			
AmeriTrade Holding Corp.			
\$	2,003,528	Term Loan, 6.82%, Maturing December 31, 2012	\$ 2,010,310
			\$ 2,010,310
Building and Development 7.3%			
Beacon Sales Acquisition, Inc.			
\$	696,500	Term Loan, 7.35%, Maturing September 30, 2013	\$ 698,241
BioMed Realty, L.P.			
	3,055,000	Term Loan, 7.57%, Maturing May 31, 2010	3,066,456
Brickman Group Holdings, Inc.			
	1,225,000	Term Loan, 7.40%, Maturing January 23, 2014	1,228,828
Building Materials Corp. of America			
	1,421,438	Term Loan, 8.19%, Maturing February 22, 2014	1,415,396
Capital Automotive (REIT)			
	1,232,598	Term Loan, 7.07%, Maturing December 16, 2010	1,244,715
Epco / Fantome, LLC			
	1,464,000	Term Loan, 7.98%, Maturing November 23, 2010	1,471,320
Formica Corp.			
	1,014,750	Term Loan, 8.34%, Maturing March 15, 2013	1,015,702
FT-FIN Acquisition, LLC			
	1,216,350	Term Loan, 6.83%, Maturing November 17, 2007 <sup>(2)</sup>	1,219,391
Hovstone Holdings, LLC			
	1,425,127	Term Loan, 7.09%, Maturing February 28, 2009	1,403,750
Lanoga Corp.			
	1,240,648	Term Loan, 7.10%, Maturing June 29, 2013	1,230,568
LNR Property Corp.			
	2,800,000	Term Loan, 8.11%, Maturing July 3, 2011	2,819,499
Mattamy Funding Partnership			
	496,250	Term Loan, 7.63%, Maturing April 11, 2013	496,405
Mueller Group, Inc.			

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	2,670,048	Term Loan, 7.35%, Maturing October 3, 2012	2,690,628
NCI Building Systems, Inc.			
	594,000	Term Loan, 6.82%, Maturing June 18, 2010	595,856
Nortek, Inc.			
	2,725,101	Term Loan, 7.36%, Maturing August 27, 2011	2,736,682
November 2005 Land Investors			
	396,647	Term Loan, 8.10%, Maturing May 9, 2011	395,656
Principal Amount		Borrower/Tranche Description	Value
Building and Development (continued)			
Panolam Industries Holdings, Inc.			
\$	563,573	Term Loan, 8.10%, Maturing September 30, 2012	\$ 565,334
PLY GEM Industries, Inc.			
	1,855,661	Term Loan, 8.10%, Maturing August 15, 2011	1,856,821
	69,339	Term Loan, 8.10%, Maturing August 15, 2011	69,382
Realogy Corp.			
	689,394	Term Loan, 8.32%, Maturing September 1, 2014	692,964
	2,560,606	Term Loan, 8.35%, Maturing September 1, 2014	2,573,867
Rubicon GSA II, LLC			
	2,350,000	Term Loan, 8.09%, Maturing July 31, 2008	2,350,000
South Edge, LLC			
	787,500	Term Loan, 7.38%, Maturing October 31, 2009	783,562
Stile Acquisition Corp.			
	1,169,452	Term Loan, 7.35%, Maturing April 6, 2013	1,146,246
Stile U.S. Acquisition Corp.			
	1,171,445	Term Loan, 7.35%, Maturing April 6, 2013	1,148,198
TE / Tousa Senior, LLC			
	1,575,000	Term Loan, 11.75%, Maturing August 1, 2008	1,564,499
Tousa / Kolter, LLC			
	1,380,000	Term Loan, 7.60%, Maturing January 7, 2008	1,381,725
TRU 2005 RE Holding Co.			
	4,100,000	Term Loan, 8.32%, Maturing December 9, 2008	4,137,798
United Subcontractors, Inc.			
	825,000	Term Loan, 12.62%, Maturing June 27, 2013	812,281
Wintergames Acquisition ULC			
	2,969,375	Term Loan, 7.42%, Maturing October 26, 2007	2,976,799
			\$ 45,788,569
Business Equipment and Services 10.6%			
ACCO Brands Corp.			
\$	1,307,450	Term Loan, 7.11%, Maturing August 17, 2012	\$ 1,318,890
Activant Solutions, Inc.			

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	721,446	Term Loan, 7.38%, Maturing May 1, 2013	721,446
Affiliated Computer Services			
	814,688	Term Loan, 7.32%, Maturing March 20, 2013	817,233
	2,158,688	Term Loan, 7.32%, Maturing March 20, 2013	2,165,433
Affinion Group, Inc.			
	2,677,491	Term Loan, 7.86%, Maturing October 17, 2012	2,702,258
Allied Security Holdings, LLC			
	1,276,364	Term Loan, 8.35%, Maturing June 30, 2010	1,292,318
Buhrmann US, Inc.			
	3,091,590	Term Loan, 7.10%, Maturing December 31, 2010	3,104,151
DynCorp International, LLC			
	1,205,400	Term Loan, 7.63%, Maturing February 11, 2011	1,215,445

See notes to financial statements

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## Eaton Vance Senior Floating-Rate Trust as of April 30, 2007

## PORTFOLIO OF INVESTMENTS (Unaudited) CONT'D

Principal Amount		Borrower/Tranche Description	Value
Business Equipment and Services (continued)			
Education Management, LLC			
\$	2,784,609	Term Loan, 7.38%, Maturing June 1, 2013	\$ 2,798,532
Gate Gourmet Borrower, LLC			
	1,116,984	Term Loan, 8.09%, Maturing March 9, 2012	1,130,947
	183,333	Term Loan, 8.09%, Maturing March 9, 2012	180,583
Info USA, Inc.			
	617,203	Term Loan, 7.35%, Maturing February 14, 2012	619,518
Language Line, Inc.			
	2,246,421	Term Loan, 8.60%, Maturing June 11, 2011	2,268,534
N.E.W. Holdings I, LLC			
	770,000	Term Loan, 12.35%, Maturing February 8, 2014	782,512
	460,976	Term Loan, 7.60%, Maturing August 8, 2014	464,145
Nielsen Finance, LLC			
	6,890,375	Term Loan, 7.61%, Maturing August 9, 2013	6,958,562
Protection One, Inc.			
	909,749	Term Loan, 7.59%, Maturing March 31, 2012	913,445
Quantum Corp.			
	425,000	Term Loan, 9.34%, Maturing August 22, 2012	425,531
Quintiles Transnational Corp.			
	1,700,000	Term Loan, 9.35%, Maturing March 31, 2014	1,726,209
Sabare, Inc.			
	3,175,000	Term Loan, 7.61%, Maturing September 30, 2014	3,185,417
Serena Software, Inc.			
	517,500	Term Loan, 7.59%, Maturing March 10, 2013	520,993
Sitel (Client Logic)			
	1,995,594	Term Loan, 7.82%, Maturing January 29, 2014	2,010,561
Sungard Data Systems, Inc.			
	12,871,241	Term Loan, 7.36%, Maturing February 11, 2013	12,997,006
TDS Investor Corp.			
EUR	1,994,987	Term Loan, 6.66%, Maturing August 23, 2013	2,743,321
	2,741,328	Term Loan, 7.85%, Maturing August 23, 2013	2,768,429
	269,897	Term Loan, 7.85%, Maturing August 23, 2013	272,565
Telcordia Technologies, Inc.			
	2,679,093		2,652,303

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		Term Loan, 8.11%, Maturing September 15, 2012	
US Investigations Services, Inc.			
	1,183,234	Term Loan, 7.85%, Maturing October 14, 2012	1,192,848
	1,541,537	Term Loan, 7.85%, Maturing October 14, 2013	1,554,062
West Corp.			
	3,441,375	Term Loan, 7.75%, Maturing October 24, 2013	3,470,197
Williams Scotsman, Inc.			
	750,000	Term Loan, 6.82%, Maturing June 27, 2010	749,766
Worldspan, L.P.			
	1,396,500	Term Loan, 8.60%, Maturing December 7, 2013	1,403,657
			\$ 67,126,817

Principal Amount		Borrower/Tranche Description	Value
Cable and Satellite Television 6.6%			
Atlantic Broadband Finance, LLC			
\$	4,262,234	Term Loan, 7.60%, Maturing February 10, 2011	\$ 4,311,518
Bragg Communications, Inc.			
	1,023,750	Term Loan, 7.11%, Maturing August 31, 2011	1,028,229
Bresnan Broadband Holdings, LLC			
	1,200,000	Term Loan, 9.84%, Maturing March 29, 2014	1,219,126
CSC Holdings, Inc.			
	2,970,000	Term Loan, 7.08%, Maturing March 29, 2013	2,983,861
Insight Midwest Holdings, LLC			
	5,325,000	Term Loan, 7.35%, Maturing April 6, 2014	5,358,697
Mediacom Broadband Group			
	5,880,711	Term Loan, 7.10%, Maturing January 31, 2015	5,888,062
Mediacom Illinois, LLC			
	2,777,788	Term Loan, 7.10%, Maturing January 31, 2015	2,781,260
NTL Investment Holdings, Ltd.			
	2,492,490	Term Loan, 7.36%, Maturing March 30, 2012	2,507,291
GBP	530,337	Term Loan, 7.85%, Maturing March 30, 2012	1,065,059
GBP	269,663	Term Loan, 7.85%, Maturing March 30, 2012	541,555
Orion Cable GMBH			
EUR	825,000	Term Loan, 6.62%, Maturing October 31, 2014	1,137,278
EUR	825,000	Term Loan, 7.22%, Maturing October 31, 2015	1,142,573
Persona Communications Corp.			
	354,378	Term Loan, 8.10%, Maturing October 12, 2013	359,029
	570,622	Term Loan, 8.10%, Maturing October 12, 2013	578,112
	825,000	Term Loan, 11.35%, Maturing April 12, 2014	840,984
UGS Corp.			

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	2,203,138	Term Loan, 7.07%, Maturing March 31, 2012	2,204,515
UPC Broadband Holding B.V.			
EUR	4,050,000	Term Loan, 5.94%, Maturing June 30, 2009	5,560,246
	1,195,000	Term Loan, 7.37%, Maturing March 31, 2013	1,197,561
	1,195,000	Term Loan, 7.37%, Maturing December 31, 2013	1,197,561
			\$ 41,902,517
Chemicals and Plastics 9.0%			
Basell Af S.A.R.L.			
\$	312,500	Term Loan, 7.57%, Maturing August 1, 2013	\$ 316,553
	62,500	Term Loan, 7.57%, Maturing August 1, 2013	63,311
	312,500	Term Loan, 8.32%, Maturing August 1, 2014	316,553
	62,500	Term Loan, 8.32%, Maturing August 1, 2014	63,311
Brenntag Holding GmbH and Co. KG			
	1,526,909	Term Loan, 7.89%, Maturing December 23, 2013	1,544,803
	373,091	Term Loan, 7.89%, Maturing December 23, 2013	377,638
	1,000,000	Term Loan, 11.89%, Maturing December 23, 2015	1,022,969
Celanese Holdings, LLC			
	4,225,000	Term Loan, 7.10%, Maturing April 2, 2014	4,252,070

See notes to financial statements

## Eaton Vance Senior Floating-Rate Trust as of April 30, 2007

## PORTFOLIO OF INVESTMENTS (Unaudited) CONT'D

Principal Amount		Borrower/Tranche Description	Value
Chemicals and Plastics (continued)			
Georgia Gulf Corp.			
\$	934,453	Term Loan, 7.32%, Maturing October 3, 2013	\$ 939,335
Hercules, Inc.			
	783,225	Term Loan, 6.82%, Maturing October 8, 2010	784,889
Hexion Specialty Chemicals, Inc.			
	4,509,055	Term Loan, 7.88%, Maturing May 5, 2013	4,546,926
	979,495	Term Loan, 7.88%, Maturing May 5, 2013	987,722
INEOS Group			
	1,608,750	Term Loan, 7.58%, Maturing December 14, 2013	1,628,859
	1,608,750	Term Loan, 8.08%, Maturing December 14, 2014	1,628,859
Innophos, Inc.			
	635,150	Term Loan, 7.57%, Maturing August 10, 2010	638,590
Invista B.V.			
	2,510,925	Term Loan, 6.85%, Maturing April 29, 2011	2,515,633
	1,330,976	Term Loan, 6.85%, Maturing April 29, 2011	1,333,471
ISP Chemo, Inc.			
	2,178,000	Term Loan, 7.13%, Maturing February 16, 2013	2,193,751
Kranton Polymers, LLC			
	3,242,160	Term Loan, 7.38%, Maturing May 12, 2013	3,271,203
Lucite International Group Holdings			
	606,296	Term Loan, 8.07%, Maturing July 7, 2013	613,875
	214,122	Term Loan, 8.07%, Maturing July 7, 2013 <sup>(2)</sup>	216,799
Lyondell Chemical Co.			
	3,980,000	Term Loan, 6.86%, Maturing August 16, 2013	3,997,540
Momentive Performance Material			
	1,720,688	Term Loan, 7.63%, Maturing December 4, 2013	1,731,621
Mosaic Co.			
	1,414,854	Term Loan, 7.12%, Maturing December 21, 2012	1,423,991
Nalco Co.			
	5,411,119	Term Loan, 7.10%, Maturing November 4, 2010	5,447,595
PQ Corp.			
	1,251,343	Term Loan, 7.35%, Maturing February 10, 2012	1,256,036
Professional Paint, Inc.			
	719,563		715,965

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		Term Loan, 7.63%, Maturing May 31, 2012	
	350,000	Term Loan, 11.13%, Maturing May 31, 2013	346,500
Propex Fabrics, Inc.			
	832,057	Term Loan, 8.36%, Maturing July 31, 2012	833,097
Rockwood Specialties Group, Inc.			
	4,361,000	Term Loan, 7.36%, Maturing December 10, 2012	4,401,614
Solo Cup Co.			
	2,631,449	Term Loan, 8.85%, Maturing February 27, 2011	2,676,265
	550,000	Term Loan, 11.57%, Maturing March 31, 2012	563,235
Solutia, Inc.			
	1,850,000	DIP Loan, 8.36%, Maturing March 31, 2008	1,871,993
Principal Amount		Borrower/Tranche Description	Value
Chemicals and Plastics (continued)			
Wellman, Inc.			
\$	2,250,000	Term Loan, 9.36%, Maturing February 10, 2009	\$ 2,270,155
			\$ 56,792,727
Clothing / Textiles 0.2%			
St. John Knits International, Inc.			
\$	577,673	Term Loan, 8.35%, Maturing March 23, 2012	\$ 582,005
The William Carter Co.			
	636,689	Term Loan, 6.85%, Maturing July 14, 2012	637,087
			\$ 1,219,092
Conglomerates 2.7%			
Amsted Industries, Inc.			
\$	1,720,078	Term Loan, 7.35%, Maturing October 15, 2010	\$ 1,726,529
Blount, Inc.			
	342,154	Term Loan, 7.08%, Maturing August 9, 2010	342,582
Dundee Holding, Inc.			
	1,296,966	Term Loan, 8.11%, Maturing February 17, 2014	1,300,208
	1,703,034	Term Loan, 8.61%, Maturing February 17, 2015	1,715,807
Euramax International, Inc.			
	606,508	Term Loan, 8.38%, Maturing June 28, 2012	606,508
	501,316	Term Loan, 12.35%, Maturing June 28, 2013	497,400
	248,684	Term Loan, 12.35%, Maturing June 28, 2013	246,741
GenTek, Inc.			
	548,564	Term Loan, 7.36%, Maturing February 25, 2011	550,792
Goodman Global Holdings, Inc.			
	887,827	Term Loan, 7.13%, Maturing December 23, 2011	890,786
Jarden Corp.			
	2,167,018		2,174,091

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		Term Loan, 7.10%, Maturing January 24, 2012	
	1,221,104	Term Loan, 7.10%, Maturing January 24, 2012	1,223,647
Johnson Diversey, Inc.		Term Loan, 7.86%, Maturing December 16, 2011	
	1,699,371		1,722,029
Polymer Group, Inc.		Term Loan, 7.59%, Maturing November 22, 2012	
	2,542,813		2,549,965
RBS Global, Inc.		Term Loan, 7.58%, Maturing July 19, 2013	
	296,250		298,796
Rexnord Corp.		Term Loan, 7.86%, Maturing July 19, 2013	
	1,329,918		1,341,347
			\$ 17,187,228
Containers and Glass Products 4.7%			
Berry Plastics Corp.		Term Loan, 7.32%, Maturing April 3, 2015	
\$	1,900,000		\$ 1,908,016

See notes to financial statements

## Eaton Vance Senior Floating-Rate Trust as of April 30, 2007

## PORTFOLIO OF INVESTMENTS (Unaudited) CONT'D

Principal Amount		Borrower/Tranche Description	Value
Containers and Glass Products (continued)			
Bluegrass Container Co.			
\$	377,150	Term Loan, 7.59%, Maturing June 30, 2013	\$ 381,797
	1,260,475	Term Loan, 7.59%, Maturing June 30, 2013	1,276,005
	284,848	Term Loan, 10.32%, Maturing December 30, 2013	290,688
	890,152	Term Loan, 10.32%, Maturing December 30, 2013	908,400
Consolidated Container Co.			
	1,000,000	Term Loan, 10.86%, Maturing September 28, 2014	995,000
Crown Americas, LLC			
	618,750	Term Loan, 7.11%, Maturing November 15, 2012	620,838
Graham Packaging Holdings Co.			
	4,250,000	Term Loan, 7.63%, Maturing October 7, 2011	4,280,991
Graphic Packaging International, Inc.			
	5,163,055	Term Loan, 7.83%, Maturing August 8, 2010	5,184,435
IPG (US), Inc.			
	1,959,945	Term Loan, 8.05%, Maturing July 28, 2011	1,967,295
JSG Acquisitions			
	1,845,000	Term Loan, 7.73%, Maturing December 31, 2013	1,864,603
	1,845,000	Term Loan, 8.10%, Maturing December 13, 2014	1,873,828
Kranson Industries, Inc.			
	845,750	Term Loan, 7.60%, Maturing July 31, 2013	849,979
Owens-Brockway Glass Container			
	1,588,438	Term Loan, 6.82%, Maturing June 14, 2013	1,593,899
Smurfit-Stone Container Corp.			
	650,961	Term Loan, 5.22%, Maturing November 1, 2011	656,620
	709,782	Term Loan, 7.38%, Maturing November 1, 2011	715,952
	2,573,226	Term Loan, 7.38%, Maturing November 1, 2011	2,595,595
	1,611,561	Term Loan, 7.38%, Maturing November 1, 2011	1,625,570
			\$ 29,589,511
Cosmetics / Toiletries 0.4%			
American Safety Razor Co.			
\$	900,000	Term Loan, 11.63%, Maturing July 31, 2014	\$ 916,875
Prestige Brands, Inc.			
	1,710,507	Term Loan, 7.63%, Maturing April 7, 2011	1,721,198

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			\$ 2,638,073
Drugs 1.4%			
Graceway Pharmaceuticals, LLC			
\$	988,000	Term Loan, 7.85%, Maturing December 29, 2011	\$ 989,853
	1,000,000	Term Loan, 11.35%, Maturing December 29, 2012	1,017,500
Pharmaceutical Holdings Corp.			
	675,000	Term Loan, 8.57%, Maturing January 30, 2012	676,688
Stiefel Laboratories, Inc.			
	756,531	Term Loan, 7.61%, Maturing December 28, 2013	764,096
Principal			
Amount		Borrower/Tranche Description	Value
Drugs (continued)			
\$	989,094	Term Loan, 7.61%, Maturing December 28, 2013	\$ 998,985
	750,000	Term Loan, 10.36%, Maturing June 28, 2014	767,813
Warner Chilcott Corp.			
	743,872	Term Loan, 7.35%, Maturing January 18, 2012	748,388
	28,205	Term Loan, 7.35%, Maturing January 18, 2012	28,342
	2,709,423	Term Loan, 7.36%, Maturing January 18, 2012	2,725,872
			\$ 8,717,537
Ecological Services and Equipment 2.5%			
Allied Waste Industries, Inc.			
\$	1,297,702	Term Loan, 5.33%, Maturing January 15, 2012	\$ 1,305,488
	2,926,157	Term Loan, 7.10%, Maturing January 15, 2012	2,942,356
Blue Waste B.V. (AVR Acquisition)			
EUR	1,000,000	Term Loan, 6.17%, Maturing April 1, 2015	1,388,846
Duratek, Inc.			
	589,387	Term Loan, 7.63%, Maturing June 7, 2013	595,281
EnergySolutions, LLC			
	62,107	Term Loan, 7.57%, Maturing June 7, 2013	62,728
	1,271,752	Term Loan, 7.63%, Maturing June 7, 2013	1,284,469
Environmental Systems, Inc.			
	901,150	Term Loan, 10.75%, Maturing December 12, 2008	898,897
	2,500,000	Term Loan, 17.25%, Maturing December 12, 2010	1,406,250
IESI Corp.			
	970,588	Term Loan, 7.11%, Maturing January 20, 2012	973,621
Kemble Water Structure, Ltd.			
GBP	1,250,000	Term Loan, 9.33%, Maturing October 13, 2013	2,526,026
Sensus Metering Systems, Inc.			
	250,109	Term Loan, 7.36%, Maturing December 17, 2010	251,359
	2,308,696	Term Loan, 7.36%, Maturing December 17, 2010	2,320,239

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			\$ 15,955,560
Electronics / Electrical 4.2%			
Advanced Micro Devices, Inc.			
\$	1,850,625	Term Loan, 7.34%, Maturing December 31, 2013	\$ 1,855,671
AMI Semiconductor, Inc.			
	1,822,381	Term Loan, 6.82%, Maturing April 1, 2012	1,817,825
Aspect Software, Inc.			
	2,014,875	Term Loan, 8.31%, Maturing July 11, 2011	2,035,864
	1,800,000	Term Loan, 12.44%, Maturing July 11, 2013	1,813,500
Communications & Power, Inc.			
	425,926	Term Loan, 7.57%, Maturing July 23, 2010	427,789
EnerSys Capital, Inc.			
	1,069,819	Term Loan, 7.11%, Maturing March 17, 2011	1,076,505
Epicor Software Corp.			
	352,500	Term Loan, 8.25%, Maturing March 30, 2012	354,042

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Eaton Vance Senior Floating-Rate Trust as of April 30, 2007

PORTFOLIO OF INVESTMENTS (Unaudited) CONT'D

Principal Amount		Borrower/Tranche Description	Value
Electronics / Electrical (continued)			
		FCI International S.A.S.	
\$	216,536	Term Loan, 7.74%, Maturing November 1, 2013	\$ 219,288