

EATON VANCE SENIOR FLOATING RATE TRUST
Form N-CSR
December 27, 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)

Maureen A. Gemma
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: October 31, 2007

Item 1. Reports to Stockholders

Annual Report October 31, 2007

EATON VANCE
SENIOR
FLOATING-RATE
TRUST

**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 househanded, 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.

Eaton Vance Senior Floating-Rate Trust as of October 31, 2007

MANAGEMENT'S DISCUSSION OF FUND PERFORMANCE

Performance for the Past Year

- Based on share price, Eaton Vance Senior Floating-Rate Trust (the Fund), a closed-end fund traded on the New York Stock Exchange, had a total return of -3.13% for the year ended October 31, 2007.(1)
- Based on net asset value (NAV), the Fund had a total return of 3.93% for the year ended October 31, 2007.(1)
- 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 4.42% for the year ended October 31, 2007.(2)

Investment Environment

- The loan market underwent an unprecedented correction in the third quarter of 2007 that resulted from a decline in loan demand, combined with an increase in the supply of new loan issuance. Average loan market prices fell 4%-5% in July and August. The risk aversion that began in the subprime mortgage area spread to the leveraged loan market through increased credit spreads and loan price volatility, which in turn further reduced demand from key market participants, including hedge funds, collateralized loan participation funds and mutual funds. With investor demand falling and loan supply rising to record levels, prices fell to levels not seen since 2002.
- Interestingly, this market decline was distinguished from previous corrections by the fact that corporate loan default rates have remained at historic lows, 0.5% according to Standard & Poor's. Thus while there were increasing signs of a weakening economy, the market decline was primarily based on technical factors. The silver lining in the correction is that effective loan credit spreads widened from roughly 200 basis points (2.00%) over LIBOR the London-Interbank Offered Rate, used by banks as a base for loans to large commercial and industrial companies to around 300 basis points (3.00%) by the Fund's fiscal year-end. That was closer to average historical levels.

The Fund's Investments

- The Fund's investment objective is to seek 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 Fund invests at least 80% of its total assets in senior, secured floating-rate loans (senior loans). In managing the Fund, the investment adviser seeks to invest in a portfolio of senior loans that will be less volatile over time than the general loan market. The Fund may also invest in second lien loans and high yield bonds, and (as discussed below) employs leverage, which may increase risk.

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- The Fund's investments included senior loans to 478 borrowers spanning 39 industries at October 31, 2007, with an average loan size of 0.19% of total investments, and no industry constituting more than 9% of total investments. Health care, publishing, cable and satellite television, chemicals and plastics, and business equipment and services were the largest industry weightings.(3)
- The Fund is well diversified in terms of industry, market and geography a strategy management believes should help the Fund weather an economic downturn. The Fund had a 10.2% exposure to European loans, which provided further diversification and the opportunity for yield enhancement. Loans denominated in foreign currencies were hedged to protect against foreign currency risk.(3)
- The Fund's exposure to builders and developers of housing was less than 1%. Home builders have struggled in the recent economic climate; however, management believes that these loans should benefit from the security and collateral that back these exposures. The Fund did not have any direct exposure to subprime or prime mortgage lenders during the year ended October 31, 2007.(3)

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

(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 Fund, the Index's return does not reflect the effect of leverage, such as the issuance of Auction Preferred Shares.

(3) Holdings and industry weightings are subject to change due to active management.

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.

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 Fund'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.

Shares of the Fund 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 October 31, 2007

PERFORMANCE

- The Fund's net asset value per share reflected the market correction, declining in July and August, before temporarily rebounding somewhat in September and October. Despite the summer decline, the Fund registered a positive total return, at NAV, for the fiscal year.

- At October 31, 2007, the Fund had leverage in the amount of approximately 39.8% of the Fund's total assets. The Fund employs leverage through the issuance of Auction Preferred Shares (APS). Use of financial leverage creates an opportunity for increased 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). The cost of the Fund's APS rises and falls with changes in short-term interest rates. Such increases/decreases in cost of the Fund's APS may be offset by increased/decreased income from the Fund's senior loan investments.

Fund Performance as of 10/31/07(1)

New York Stock Exchange Symbol

EFR

Average Annual Total Return (by share price, NYSE)

One Year	-3.13%
Life of Fund (11/28/03)	3.10

Average Annual Total Return (at net asset value)

One Year	3.93%
Life of fund (11/28/03)	5.62

(1) Performance results reflect the effect of leverage resulting from the Fund'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 Fund's investment portfolio could decline, which would reduce the asset coverage for its Auction Preferred Shares.

(2) In the event of a rise in long-term interest rates, the value of the Fund's investment portfolio could decline, which would reduce the asset coverage for its Auction Preferred Shares.

Top Ten Holdings(3)

By total investments

Sungard Data Systems	1.3%
Charter Communications Operating	1.2
WMG Acquisition Corp.	1.0
NRG Energy Inc.	1.0
Georgia-Pacific Corp.	0.9
Community Health Systems, Inc.	0.8
Univision Communications, Inc.	0.8
Metro-Goldwyn-Mayer Studios, Inc.	0.8

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UPC Broadband Holding B.V.	0.8
Idearc, Inc.	0.7

(3) Reflects the Fund's investments as of October 31, 2007. Holdings are shown as a percentage of the Fund's total investments. Fund information may not be representative of current or future investments and may change due to active management.

Top Five Industries(4)

By total investments

Health Care	8.2%
Publishing	7.0
Cable & Satellite Television	6.6
Chemicals & Plastics	6.3
Business Equipment & Services	6.1

(4) Reflects the Fund's investments as of October 31, 2007. Industries are shown as a percentage of the Fund's total investments. Fund information may not be representative of current or future investments and are subject to change due to active management.

Credit Quality Ratings for Total Loan Investments(5)

By total loan investments

Baa	2.3%
Ba	50.5
B	30.5
Caa	3.0
Non-Rated(6)	13.7

(5) Credit Quality ratings are those provided by Moody's, a nationally recognized bond rating service. As a percentage of the Fund's total loan investments as of October 31, 2007. Fund information may not be representative of current or future investments and may change due to active management.

(6) Certain loans in which the Fund 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 Fund's performance at market 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 Fund, market conditions, fluctuations in supply and demand for the Fund's shares, or changes in Fund 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 Fund'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.

Eaton Vance Senior Floating-Rate Trust as of October 31, 2007

PORTFOLIO OF INVESTMENTS

Senior Floating-Rate Interests	151.5%		
Principal Amount*		Borrower/Tranche Description	Value
Aerospace and Defense	2.6%		
ACTS Aero Technical Support & Service, Inc.			
\$	850,000	Term Loan, 8.47%, Maturing October 5, 2014	\$ 827,687
Colt Defense, LLC			
	997,500	Term Loan, 8.00%, Maturing July 9, 2014	991,266
DAE Aviation Holdings, Inc.			
	485,066	Term Loan, 7.80%, Maturing July 31, 2009	484,763
	964,935	Term Loan, 8.93%, Maturing July 31, 2014	965,537
Evergreen International Aviation			
	1,464,772	Term Loan, 8.30%, Maturing October 31, 2011	1,428,153
Hawker Beechcraft Acquisition			
	176,702	Term Loan, 5.20%, Maturing March 26, 2014	173,182
	2,077,856	Term Loan, 7.17%, Maturing March 26, 2014	2,036,461
Hexcel Corp.			
	897,869	Term Loan, 7.03%, Maturing March 1, 2012	879,912
IAP Worldwide Services, Inc.			
	957,938	Term Loan, 11.50%, Maturing December 30, 2012	870,765
Spirit AeroSystems, Inc.			
	1,613,859	Term Loan, 6.90%, Maturing December 31, 2011	1,601,755
TransDigm, Inc.			
	1,625,000	Term Loan, 7.20%, Maturing June 23, 2013	1,602,149
Vought Aircraft Industries, Inc.			
	2,128,447	Term Loan, 7.34%, Maturing December 17, 2011	2,109,823
Wesco Aircraft Hardware Corp.			
	1,142,688	Term Loan, 7.45%, Maturing September 29, 2013	1,131,023
Wyle Laboratories, Inc.			
	245,059	Term Loan, 8.11%, Maturing January 28, 2011	241,383
			\$ 15,343,859
Air Transport	0.9%		
Airport Development and Investment, Ltd.			
GBP	986,070	Term Loan, 10.28%, Maturing April 7, 2011	\$ 1,995,389
Delta Air Lines, Inc.			
	1,197,000	Term Loan, 8.08%, Maturing April 30, 2014	1,188,237
Northwest Airlines, Inc.			
	2,079,000		2,005,368

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DIP Loan, 7.03%, Maturing August
21, 2008

Principal Amount*	Borrower/Tranche Description	Value
		\$ 5,188,994
Automotive 6.5%		
Accuride Corp.		
\$ 1,957,967	Term Loan, 7.13%, Maturing January 31, 2012	\$ 1,921,255
Adesa, Inc.		
4,214,438	Term Loan, 7.45%, Maturing October 18, 2013	4,084,616
Automotive (continued)		
Affina Group, Inc.		
\$ 1,370,985	Term Loan, 7.96%, Maturing November 30, 2011	\$ 1,370,128
Allison Transmission, Inc.		
3,000,000	Term Loan, 8.17%, Maturing September 30, 2014	2,931,249
AxleTech International Holding, Inc.		
1,750,000	Term Loan, 11.73%, Maturing April 21, 2013	1,721,562
CSA Acquisition Corp.		
1,257,157	Term Loan, 7.75%, Maturing December 23, 2011	1,241,704
491,250	Term Loan, 7.75% Maturing December 23, 2012	488,794
Dana Corp.		
2,350,000	Term Loan, 7.98%, Maturing March 30, 2008	2,339,928
Dayco Products, LLC		
1,951,090	Term Loan, 7.76%, Maturing June 21, 2011	1,890,729
Delphi Corp.		
1,000,000	DIP Loan, 7.88%, Maturing December 31, 2007	998,646
Federal-Mogul Corp.		
2,915,607	Revolving Loan, 6.28%, Maturing December 31, 2007 ⁽²⁾	2,876,976
Ford Motor Co.		
1,761,688	Term Loan, 8.70%, Maturing December 15, 2013	1,699,227
General Motors Corp.		
3,431,600	Term Loan, 7.62%, Maturing November 29, 2013	3,373,263
Goodyear Tire & Rubber Co.		
2,400,000	Term Loan, 6.43%, Maturing April 30, 2010	2,337,499
HLI Operating Co., Inc.		
EUR 1,890,909	Term Loan, 6.87%, Maturing May 30, 2014	2,650,183
EUR 109,091	Term Loan, 7.16%, Maturing May 30, 2014	154,671
Keystone Automotive Operations, Inc.		
1,391,994	Term Loan, 8.65%, Maturing January 12, 2012	1,302,674
LKQ Corp.		
975,000	Term Loan, 7.36%, Maturing October 12, 2014	972,562
Osprey Acquisitions, Ltd.		

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GBP	1,000,000	Term Loan, 7.96%, Maturing September 30, 2011	2,038,400
TriMas Corp.			
	234,375	Term Loan, 6.79%, Maturing August 2, 2011	230,566
	1,005,469	Term Loan, 7.23%, Maturing August 2, 2013	989,130
United Components, Inc.			
	1,346,629	Term Loan, 7.38%, Maturing June 30, 2010	1,321,379
			\$ 38,935,141
Beverage and Tobacco 0.5%			
Constellation Brands, Inc.			
\$	560,000	Term Loan, 6.69%, Maturing June 5, 2013	\$ 552,884
Culligan International Co.			
EUR	975,000	Term Loan, 9.33%, Maturing May 31, 2013	1,255,417

See notes to financial statements

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Eaton Vance Senior Floating-Rate Trust as of October 31, 2007

PORTFOLIO OF INVESTMENTS CONT'D

Principal Amount*	Borrower/Tranche Description	Value
Beverage and Tobacco (continued)		
Southern Wine & Spirits of America, Inc.		
1,427,789	Term Loan, 6.70%, Maturing May 31, 2012	\$ 1,425,112
		\$ 3,233,413
Brokers, Dealers and Investment Houses 0.1%		
AmeriTrade Holding Corp.		
\$ 730,172	Term Loan, 6.25%, Maturing December 31, 2012	\$ 722,795
		\$ 722,795
Building and Development 5.6%		
Beacon Sales Acquisition, Inc.		
\$ 693,000	Term Loan, 7.16%, Maturing September 30, 2013	\$ 665,280
Brickman Group Holdings, Inc.		
1,218,875	Term Loan, 7.14%, Maturing January 23, 2014	1,185,356
Building Materials Corp. of America		
1,414,339	Term Loan, 7.94%, Maturing February 22, 2014	1,291,594
Capital Automotive REIT		
1,232,598	Term Loan, 6.88%, Maturing December 16, 2010	1,219,712
Epco/Fantome, LLC		
1,464,000	Term Loan, 7.59%, Maturing November 23, 2010	1,467,660
Hovstone Holdings, LLC		
1,334,952	Term Loan, 7.63%, Maturing February 28, 2009	1,214,807
LNR Property Corp.		
2,800,000	Term Loan, 8.11%, Maturing July 3, 2011	2,737,000
Metroflag BP, LLC		
500,000	Term Loan, 14.09%, Maturing July 1, 2008	495,000
Mueller Water Products, Inc.		
1,789,223	Term Loan, 6.69%, Maturing May 24, 2014	1,764,342
NCI Building Systems, Inc.		
594,000	Term Loan, 6.88%, Maturing June 18, 2010	582,863
Nortek, Inc.		
2,711,126	Term Loan, 7.05%, Maturing August 27, 2011	2,656,903
November 2005 Land Investors		
396,647	Term Loan, 7.57%, Maturing May 9, 2011	356,983
Panolam Industries Holdings, Inc.		
542,430	Term Loan, 7.95%, Maturing September 30, 2012	520,733
PLY GEM Industries, Inc.		

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	1,915,372	Term Loan, 7.95%, Maturing August 15, 2011	1,803,322
Realogy Corp.			
	901,516	Term Loan, 4.97%, Maturing September 1, 2014	840,213
	3,340,113	Term Loan, 8.24%, Maturing September 1, 2014	3,112,985
South Edge, LLC			
	787,500	Term Loan, 6.81%, Maturing October 31, 2009	708,750
Principal Amount*		Borrower/Tranche Description	Value
Building and Development (continued)			
Stile Acquisition Corp.			
\$	1,163,481	Term Loan, 7.14%, Maturing April 6, 2013	\$ 1,096,021
Stile U.S. Acquisition Corp.			
	1,165,468	Term Loan, 7.12%, Maturing April 6, 2013	1,097,893
Tousa/Kolter, LLC			
	1,297,200	Term Loan, 8.46%, Maturing January 7, 2008	1,293,957
TRU 2005 RE Holding Co.			
	4,100,000	Term Loan, 8.13%, Maturing December 9, 2008	4,062,415
United Subcontractors, Inc.			
	825,000	Term Loan, 12.36%, Maturing June 27, 2013	684,750
Wintergames Acquisition ULC			
	2,782,468	Term Loan, 8.13%, Maturing April 24, 2008	2,761,599
			\$ 33,620,138
Business Equipment and Services 9.6%			
ACCO Brands Corp.			
\$	1,307,450	Term Loan, 7.18%, Maturing August 17, 2012	\$ 1,289,473
Activant Solutions, Inc.			
	721,446	Term Loan, 7.38%, Maturing May 1, 2013	691,235
Affiliated Computer Services			
	810,563	Term Loan, 6.82%, Maturing March 20, 2013	801,950
	2,147,813	Term Loan, 6.96%, Maturing March 20, 2013	2,124,992
Affinion Group, Inc.			
	2,494,101	Term Loan, 7.98%, Maturing October 17, 2012	2,476,436
Allied Security Holdings, LLC			
	1,252,727	Term Loan, 8.20%, Maturing June 30, 2010	1,248,030
Buhrmann US, Inc.			
	3,075,695	Term Loan, 7.30%, Maturing December 31, 2010	3,044,938
DynCorp International, LLC			
	1,076,356	Term Loan, 7.25%, Maturing February 11, 2011	1,041,374
Education Management, LLC			
	2,717,019	Term Loan, 7.00%, Maturing June 1, 2013	2,642,301
Info USA, Inc.			

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	614,109	Term Loan, 7.20%, Maturing February 14, 2012	604,898
iPayment, Inc.			
	1,667,042	Term Loan, 7.04%, Maturing May 10, 2013	1,592,025
ista International GmbH			
EUR	1,275,000	Term Loan, 6.34%, Maturing May 14, 2015	1,755,670
Kronos, Inc.			
	1,097,250	Term Loan, 7.45%, Maturing June 11, 2014	1,063,647
Language Line, Inc.			
	2,184,378	Term Loan, 8.42%, Maturing June 11, 2011	2,134,319
Mitchell International, Inc.			
	1,000,000	Term Loan, 10.50%, Maturing March 28, 2015	920,000

See notes to financial statements

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Eaton Vance Senior Floating-Rate Trust as of October 31, 2007

PORTFOLIO OF INVESTMENTS CONT'D

Principal Amount*		Borrower/Tranche Description	Value
Business Equipment and Services (continued)			
N.E.W. Holdings I, LLC			
\$	981,955	Term Loan, 7.77%, Maturing May 22, 2014	\$ 930,096
Protection One, Inc.			
	905,154	Term Loan, 7.39%, Maturing March 31, 2012	888,183
Quantum Corp.			
	403,750	Term Loan, 8.70%, Maturing July 12, 2014	400,722
Quintiles Transnational Corp.			
	1,700,000	Term Loan, 9.20%, Maturing March 31, 2014	1,691,500
Sabre, Inc.			
	4,057,297	Term Loan, 6.96%, Maturing September 30, 2014	3,862,802
Serena Software, Inc.			
	517,500	Term Loan, 7.18%, Maturing March 10, 2013	501,112
Sitel (Client Logic)			
	1,995,594	Term Loan, 7.30%, Maturing January 29, 2014	1,900,803
Solera Holdings, LLC			
EUR	796,000	Term Loan, 6.75%, Maturing May 15, 2014	1,122,823
SunGard Data Systems, Inc.			
	12,806,724	Term Loan, 7.36%, Maturing February 11, 2013	12,661,188
TDS Investor Corp.			
EUR	1,054,228	Term Loan, 6.98%, Maturing August 23, 2013	1,496,606
	1,615,004	Term Loan, 7.45%, Maturing August 23, 2013	1,585,732
Transaction Network Services, Inc.			
	651,778	Term Loan, 7.48%, Maturing May 4, 2012	642,001
Valassis Communications, Inc.			
	477,883	Term Loan, 6.95%, Maturing March 2, 2014	455,483
VWR International, Inc.			
	1,625,000	Term Loan, 7.70%, Maturing June 28, 2013	1,572,696
WAM Acquisition, S.A.			
EUR	400,000	Term Loan, 6.57%, Maturing May 4, 2014	563,937
EUR	400,000	Term Loan, 6.82%, Maturing May 4, 2015	566,567
West Corp.			
	3,415,565	Term Loan, 7.27%, Maturing October 24, 2013	3,355,082
			\$ 57,628,621
Cable and Satellite Television 10.8%			

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Atlantic Broadband Finance, LLC			
\$	4,240,923	Term Loan, 7.45%, Maturing February 10, 2011	\$ 4,189,680
Bragg Communications, Inc.			
	2,150,000	Term Loan, 8.06%, Maturing August 31, 2014	2,154,031
Bresnan Broadband Holdings, LLC			
	500,000	Term Loan, 7.18%, Maturing March 29, 2014	488,571
	1,200,000	Term Loan, 9.95%, Maturing March 29, 2014	1,197,500
Cequel Communications, LLC			
	1,550,000	Term Loan, 9.86%, Maturing May 5, 2014	1,526,750
	3,339,203	Term Loan, 11.36%, Maturing May 5, 2014	3,288,280
Principal Amount*			
		Borrower/Tranche Description	Value
Cable and Satellite Television (continued)			
Charter Communications Operating, Inc.			
\$	12,118,808	Term Loan, 6.99%, Maturing April 28, 2013	\$ 11,666,377
CSC Holdings, Inc.			
	5,003,467	Term Loan, 6.88%, Maturing March 29, 2013	4,895,477
CW Media Holdings, Inc.			
	625,000	Term Loan, 8.50%, Maturing February 15, 2015	625,000
Insight Midwest Holdings, LLC			
	5,325,000	Term Loan, 7.00%, Maturing April 6, 2014	5,222,568
Mediacom Broadband Group			
	5,851,234	Term Loan, 6.61%, Maturing January 31, 2015	5,683,011
Mediacom Illinois, LLC			
	2,763,864	Term Loan, 6.61%, Maturing January 31, 2015	2,688,289
NTL Investment Holdings, Ltd.			
	2,492,490	Term Loan, 7.22%, Maturing March 30, 2012	2,424,727
GBP	800,000	Term Loan, 8.29%, Maturing March 30, 2012	1,613,461
Orion Cable GmbH			
EUR	1,075,000	Term Loan, 7.03%, Maturing October 31, 2014	1,535,167
EUR	1,075,000	Term Loan, 7.98%, Maturing October 31, 2015	1,542,943
ProSiebenSat.1 Media AG			
EUR	608,000	Term Loan, 6.19%, Maturing March 2, 2015 ⁽²⁾	827,397
EUR	284,000	Term Loan, 6.55%, Maturing June 26, 2015	395,437
EUR	608,000	Term Loan, 6.40%, Maturing March 2, 2016 ⁽²⁾	830,036
EUR	575,000	Term Loan, 6.93%, Maturing September 2, 2016 ⁽²⁾	769,490
EUR	375,568	Term Loan, 7.78%, Maturing March 2, 2017 ⁽²⁾	508,941
UPC Broadband Holding B.V.			
EUR	4,050,000	Term Loan, 6.30%, Maturing October 16, 2011	5,683,891

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	1,950,000	Term Loan, 7.13%, Maturing December 31, 2014	1,889,977
YPSO Holding SA			
EUR	1,000,000	Term Loan, 6.68%, Maturing July 28, 2014	1,405,518
EUR	1,000,000	Term Loan, 6.93%, Maturing July 28, 2015	1,416,459
			\$ 64,468,978
Chemicals and Plastics 10.2%			
AZ Chem US, Inc.			
\$	500,000	Term Loan, Maturing February 28, 2014 ⁽³⁾	\$ 456,666
Brenntag Holding GmbH and Co. KG			
	1,900,000	Term Loan, 7.39%, Maturing December 23, 2013	1,862,395
	1,000,000	Term Loan, 9.39%, Maturing December 23, 2015	961,875
Celanese Holdings, LLC			
	4,203,875	Term Loan, 6.98%, Maturing April 2, 2014	4,137,315
Cognis GmbH			
EUR	1,000,000	Term Loan, 6.73%, Maturing September 15, 2013	1,397,922
First Chemical Holding			
EUR	1,000,000	Term Loan, 6.75%, Maturing December 18, 2014 ⁽²⁾	1,414,901

See notes to financial statements

Eaton Vance Senior Floating-Rate Trust as of October 31, 2007

PORTFOLIO OF INVESTMENTS CONT'D

Principal Amount*		Borrower/Tranche Description	Value
Chemicals and Plastics (continued)			
Foamex L.P.			
\$	1,744,950	Term Loan, 7.44%, Maturing February 12, 2013	\$ 1,682,423
Georgia Gulf Corp.			
	929,766	Term Loan, 7.63%, Maturing October 3, 2013	919,790
Hercules, Inc.			
	579,675	Term Loan, 6.71%, Maturing October 8, 2010	576,052
Hexion Specialty Chemicals, Inc.			
	498,750	Term Loan, 7.44%, Maturing May 5, 2012	494,620
	5,460,900	Term Loan, 7.50%, Maturing May 5, 2013	5,415,678
Huish Detergents, Inc.			
	947,625	Term Loan, 7.20%, Maturing April 26, 2014	904,728
INEOS Group			
	1,608,750	Term Loan, 7.36%, Maturing December 14, 2013	1,596,972
	1,608,750	Term Loan, 7.86%, Maturing December 14, 2014	1,596,972
Innophos, Inc.			
	596,860	Term Loan, 7.01%, Maturing August 10, 2010	592,384
Invista B.V.			
	3,822,448	Term Loan, 6.70%, Maturing April 29, 2011	3,765,111
ISP Chemco, Inc.			
	2,593,500	Term Loan, 7.09%, Maturing June 4, 2014	2,539,036
Kleopatra			
EUR	575,000	Term Loan, 7.28%, Maturing January 3, 2016	766,717
	825,000	Term Loan, 7.74%, Maturing January 3, 2016	746,625
Kranton Polymers, LLC			
	2,886,396	Term Loan, 7.25%, Maturing May 12, 2013	2,821,453
Lucite International Group Holdings			
	816,829	Term Loan, 7.45%, Maturing July 7, 2013	802,534
Lyondell Chemical Co.			
	3,960,000	Term Loan, 6.25%, Maturing August 16, 2013	3,945,700
MacDermid, Inc.			
EUR	995,000	Term Loan, 6.98%, Maturing April 12, 2014	1,396,331
Millenium Inorganic Chemicals			
	350,000	Term Loan, 7.45%, Maturing April 30, 2014	340,229
	975,000		916,500

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		Term Loan, 10.95%, Maturing October 31, 2014	
Momentive Performance Material			
	1,712,063	Term Loan, 7.81%, Maturing December 4, 2013	1,682,408
Nalco Co.			
	5,411,119	Term Loan, 6.97%, Maturing November 4, 2010	5,389,815
Professional Paint, Inc.			
	715,938	Term Loan, 7.64%, Maturing May 31, 2012	680,141
	350,000	Term Loan, 11.56%, Maturing May 31, 2013	332,500
Propex Fabrics, Inc.			
	810,160	Term Loan, 10.58%, Maturing July 31, 2012	725,094
Rockwood Specialties Group, Inc.			
	4,338,750	Term Loan, 6.46%, Maturing December 10, 2012	4,276,111
Principal Amount*		Borrower/Tranche Description	Value
Chemicals and Plastics (continued)			
Solo Cup Co.			
\$	1,826,989	Term Loan, 8.66%, Maturing February 27, 2011	\$ 1,826,010
Solutia, Inc.			
	1,748,505	DIP Loan, 8.06%, Maturing March 31, 2008	1,746,867
Wellman, Inc.			
	2,250,000	Term Loan, 9.36%, Maturing February 10, 2009	2,199,937
			\$ 60,909,812
Clothing / Textiles 0.6%			
Hanesbrands, Inc.			
\$	1,570,500	Term Loan, 6.74%, Maturing September 5, 2013	\$ 1,553,127
	850,000	Term Loan, 8.82%, Maturing March 5, 2014	855,844
St. John Knits International, Inc.			
	577,673	Term Loan, 8.20%, Maturing March 23, 2012	569,008
The William Carter Co.			
	633,449	Term Loan, 6.40%, Maturing July 14, 2012	624,079
			\$ 3,602,058
Conglomerates 3.5%			
Amsted Industries, Inc.			
\$	1,711,053	Term Loan, 7.28%, Maturing October 15, 2010	\$ 1,684,318
Blount, Inc.			
	340,422	Term Loan, 6.88%, Maturing August 9, 2010	334,039
Doncasters (Dunde HoldCo 4 Ltd.)			
	431,763	Term Loan, 7.61%, Maturing July 13, 2015	419,900
	431,763	Term Loan, 8.11%, Maturing July 13, 2015	420,980
GBP	500,000	Term Loan, 10.60%, Maturing January 13, 2016	1,004,918
GenTek, Inc.			

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	505,008	Term Loan, 7.34%, Maturing February 25, 2011	495,539
Goodman Global Holdings, Inc.			
	434,230	Term Loan, 7.19%, Maturing December 23, 2011	423,375
ISS Holdings A/S			
EUR	1,200,000	Term Loan, 6.73%, Maturing December 31, 2013	1,701,688
Jarden Corp.			
	3,370,825	Term Loan, 6.95%, Maturing January 24, 2012	3,309,730
Johnson Diversey, Inc.			
	1,680,408	Term Loan, 7.36%, Maturing December 16, 2011	1,662,553
Polymer Group, Inc.			
	2,529,938	Term Loan, 7.29%, Maturing November 22, 2012	2,510,963
RBS Global, Inc.			
	1,284,836	Term Loan, 7.60%, Maturing July 19, 2013	1,279,215
	296,250	Term Loan, 7.64%, Maturing July 19, 2013	294,954

See notes to financial statements

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Eaton Vance Senior Floating-Rate Trust as of October 31, 2007

PORTFOLIO OF INVESTMENTS CONT'D

Principal Amount*		Borrower/Tranche Description	Value
Conglomerates (continued)			
RGIS Holdings, LLC			
\$	23,810	Term Loan, Maturing April 30, 2014 ⁽³⁾	\$ 22,857
	476,190	Term Loan, Maturing April 30, 2014 ⁽³⁾	457,143
	2,493,750	Term Loan, 7.25%, Maturing April 30, 2014	2,401,485
US Investigations Services, Inc.			
	1,925,000	Term Loan, Maturing February 21, 2015 ⁽³⁾	1,872,062
Vertrue, Inc.			
	850,000	Term Loan, 8.20%, Maturing August 16, 2014	826,625
			\$ 21,122,344
Containers and Glass Products 4.5%			
Berry Plastics Corp.			
\$	1,890,500	Term Loan, 7.36%, Maturing April 3, 2015	\$ 1,839,693
Bluegrass Container Co.			
	375,250	Term Loan, 7.29%, Maturing June 30, 2013	373,541
	1,254,125	Term Loan, 7.32%, Maturing June 30, 2013	1,248,414
	1,175,000	Term Loan, 9.75%, Maturing December 30, 2013	1,183,078
Consolidated Container Co.			
	1,000,000	Term Loan, 10.66%, Maturing September 28, 2014	882,500
Crown Americas, Inc.			
	618,750	Term Loan, 7.31%, Maturing November 15, 2012	611,531
Graham Packaging Holdings Co.			
	4,228,750	Term Loan, 7.66%, Maturing October 7, 2011	4,155,407
Graphic Packaging International, Inc.			
	5,746,125	Term Loan, 7.39%, Maturing May 16, 2014	5,718,934
IPG (US), Inc.			
	1,293,520	Term Loan, 9.59%, Maturing July 28, 2011	1,283,819
JSG Acquisitions			
	1,845,000	Term Loan, 7.12%, Maturing December 31, 2013	1,772,353
	1,845,000	Term Loan, 7.37%, Maturing December 13, 2014	1,781,578
Kranson Industries, Inc.			
	842,292	Term Loan, 7.45%, Maturing July 31, 2013	829,657
Owens-Brockway Glass Container			
	1,555,938	Term Loan, 6.59%, Maturing June 14, 2013	1,531,141
Smurfit-Stone Container Corp.			

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	650,961	Term Loan, 5.02%, Maturing November 1, 2011	645,773
	632,134	Term Loan, 7.19%, Maturing November 1, 2011	627,097
	969,092	Term Loan, 7.43%, Maturing November 1, 2011	961,370
	1,435,206	Term Loan, 7.52%, Maturing November 1, 2011	1,423,768
			\$ 26,869,654

Principal Amount*		Borrower/Tranche Description	Value
Cosmetics / Toiletries	0.7%		
American Safety Razor Co.			
\$	498,737	Term Loan, 7.51%, Maturing July 31, 2013	\$ 493,750
	900,000	Term Loan, 11.69%, Maturing July 31, 2014	900,000
Bausch & Lomb, Inc.			
	110,000	Term Loan, Maturing April 30, 2015 ⁽³⁾	110,309
	440,000	Term Loan, Maturing April 30, 2015 ⁽³⁾	441,238
KIK Custom Products, Inc.			
	975,000	Term Loan, 10.20%, Maturing November 30, 2014	814,125
Prestige Brands, Inc.			
	1,577,472	Term Loan, 7.73%, Maturing April 7, 2011	1,569,585
			\$ 4,329,007
Drugs	1.3%		
Graceway Pharmaceuticals, LLC			
\$	811,250	Term Loan, 7.95%, Maturing May 3, 2012	\$ 778,192
	1,000,000	Term Loan, 11.70%, Maturing May 3, 2013	915,000
	275,000	Term Loan, 13.45%, Maturing November 3, 2013	233,750
Pharmaceutical Holdings Corp.			
	658,125	Term Loan, 8.07%, Maturing January 30, 2012	641,672
Stiefel Laboratories, Inc.			
	1,736,875	Term Loan, 7.50%, Maturing December 28, 2013	1,704,309
Warner Chilcott Corp.			
	740,076	Term Loan, 7.20%, Maturing January 18, 2012	730,085
	2,472,818	Term Loan, 7.24%, Maturing January 18, 2012	2,439,435
			\$ 7,442,443
Ecological Services and Equipment	2.3%		
Allied Waste Industries, Inc.			
\$	1,284,460	Term Loan, 5.50%, Maturing January 15, 2012	\$ 1,263,186
	2,387,805	Term Loan, 6.54%, Maturing January 15, 2012	2,348,258
Blue Waste B.V. (AVR Acquisition)			
EUR	1,000,000	Term Loan, 6.98%, Maturing April 1, 2015	1,421,733
Cory Environmental Holdings			
GBP	500,000	Term Loan, 10.05%, Maturing September 30, 2014	1,030,236

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Environmental Systems Products Holdings, Inc.

	1,165,123	Term Loan, 13.75%, Maturing December 12, 2010 ⁽⁴⁾	1,165,123
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IESI Corp.

	970,588	Term Loan, 7.17%, Maturing January 20, 2012	944,503
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Kemble Water Structure Ltd.

GBP	1,250,000	Term Loan, 10.05%, Maturing October 13, 2013	2,552,868
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Sensus Metering Systems, Inc.

	2,243,478	Term Loan, 7.26%, Maturing December 17, 2010	2,209,826
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	145,761	Term Loan, 7.36%, Maturing December 17, 2010	143,575
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Waste Services, Inc.

	750,000	Term Loan, 7.38%, Maturing March 31, 2011	738,750
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\$ 13,818,058

See notes to financial statements

Eaton Vance Senior Floating-Rate Trust as of October 31, 2007

PORTFOLIO OF INVESTMENTS CONT'D

Principal Amount*		Borrower/Tranche Description	Value
Electronics / Electrical	4.4%		
AMI Semiconductor, Inc.			
\$	1,813,095	Term Loan, 6.82%, Maturing April 1, 2012	\$ 1,754,169
Aspect Software, Inc.			
	2,004,750	Term Loan, 8.25%, Maturing July 11, 2011	1,944,607
	1,800,000	Term Loan, 12.31%, Maturing July 11, 2013	1,728,000
EnerSys Capital, Inc.			
	1,064,456	Term Loan, 7.07%, Maturing March 17, 2011	1,045,828
FCI International S.A.S.			
	850,000	Term Loan, 7.76%, Maturing November 1, 2013	822,694
Freescale Semiconductor, Inc.			
	4,292,563	Term Loan, 7.33%, Maturing December 1, 2013	4,129,733
Infor Enterprise Solutions Holdings			
	4,483,491	Term Loan, 8.95%, Maturing July 28, 2012	4,371,403
	500,000	Term Loan, 10.70%, Maturing March 2, 2014	471,250
	500,000	Term Loan, 11.45%, Maturing March 2, 2014	471,250
Network Solutions, LLC			
	732,800	Term Loan, 7.61%, Maturing March 7, 2014	696,160
Open Solutions, Inc.			
	2,089,868	Term Loan, 7.28%, Maturing January 23, 2014	2,004,968
Sensata Technologies Finance Co.			
	1,782,462	Term Loan, 6.76%, Maturing April 27, 2013	1,738,696
Spectrum Brands, Inc.			
	57,701	Term Loan, 4.97%, Maturing March 30, 2013	56,922
	1,164,380	Term Loan, 9.37%, Maturing March 30, 2013	1,148,661
TTM Technologies, Inc.			
	334,125	Term Loan, 7.22%, Maturing October 27, 2012	332,872
VeriFone, Inc.			
	732,375	Term Loan, 6.71%, Maturing October 31, 2013	729,629
Vertafore, Inc.			
	2,238,764	Term Loan, 8.01%, Maturing January 31, 2012	2,207,981
	850,000	Term Loan, 11.51%, Maturing January 31, 2013	826,625
			\$ 26,481,448
Equipment Leasing	1.5%		
AWAS Capital, Inc.			

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	\$	2,102,124	Term Loan, 11.25%, Maturing March 22, 2013	\$ 2,070,593
Maxim Crane Works, L.P.				
		872,813	Term Loan, 6.81%, Maturing June 29, 2014	829,172
The Hertz Corp.				
		400,000	Term Loan, 5.24%, Maturing December 21, 2012	394,518
		2,223,242	Term Loan, 6.87%, Maturing December 21, 2012	2,192,772
United Rentals, Inc.				
		1,030,874	Term Loan, 5.32%, Maturing February 14, 2011	1,027,781
		2,450,698	Term Loan, 7.13%, Maturing February 14, 2011	2,443,346
				\$ 8,958,182
Principal Amount*				
			Borrower/Tranche Description	Value
Farming / Agriculture 0.5%				
BF Bolthouse HoldCo, LLC				
	\$	1,150,000	Term Loan, 10.70%, Maturing December 16, 2013	\$ 1,147,485
Central Garden & Pet Co.				
		2,043,875	Term Loan, 6.56%, Maturing February 28, 2014	1,880,365
				\$ 3,027,850
Financial Intermediaries 1.8%				
Citco III, Ltd.				
	\$	1,275,000	Term Loan, 7.63%, Maturing June 30, 2014	\$ 1,239,937
Coinstar, Inc.				
		519,440	Term Loan, 7.13%, Maturing July 7, 2011	518,791
Grosvenor Capital Management				
		1,535,592	Term Loan, 7.33%, Maturing December 5, 2013	1,512,558
INVESTools, Inc.				
		450,000	Term Loan, 8.45%, Maturing August 13, 2012	441,000
Jupiter Asset Management Group				
	GBP	447,059	Term Loan, 8.74%, Maturing June 30, 2015	888,415
LPL Holdings, Inc.				
		3,570,874	Term Loan, 7.20%, Maturing December 18, 2014	3,526,238
Oxford Acquisition III, Ltd.				
		929,820	Term Loan, 6.90%, Maturing May 24, 2014	884,823
RJO Holdings Corp. (RJ O'Brien)				
		475,000	Term Loan, 7.76%, Maturing July 31, 2014	437,594
Travelex America Holdings, Inc.				
		375,000	Term Loan, Maturing October 31, 2013 ⁽³⁾	367,500
		375,000	Term Loan, Maturing October 31, 2014 ⁽³⁾	369,375
				\$ 10,186,231
Food Products 4.3%				
Acosta, Inc.				

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	\$	3,063,106	Term Loan, 7.01%, Maturing July 28, 2013	\$	3,001,844
Advantage Sales & Marketing, Inc.					
		1,260,949	Term Loan, 6.94%, Maturing March 29, 2013		1,218,392
Black Lion Beverages III B.V.					
	EUR	147,059	Term Loan, 6.31%, Maturing December 31, 2013		208,053
	EUR	852,941	Term Loan, 6.31%, Maturing December 31, 2014		1,206,710
Chiquita Brands, LLC					
		1,036,292	Term Loan, 7.88%, Maturing June 28, 2012		1,021,827
Dean Foods Co.					
		3,457,625	Term Loan, 6.70%, Maturing April 2, 2014		3,354,484

See notes to financial statements

Eaton Vance Senior Floating-Rate Trust as of October 31, 2007

PORTFOLIO OF INVESTMENTS CONT'D

Principal Amount*		Borrower/Tranche Description	Value
Food Products (continued)			
Dole Food Company, Inc.			
\$	162,791	Term Loan, 5.16%, Maturing April 12, 2013	\$ 158,370
	1,202,616	Term Loan, 7.41%, Maturing April 12, 2013	1,169,962
	360,785	Term Loan, 7.57%, Maturing April 12, 2013	350,988
Michael Foods, Inc.			
	3,152,042	Term Loan, 7.36%, Maturing November 21, 2010	3,112,642
National Dairy Holdings, L.P.			
	719,543	Term Loan, 6.82%, Maturing March 15, 2012	703,353
Pinnacle Foods Finance, LLC			
	3,765,563	Term Loan, 7.95%, Maturing April 2, 2014	3,649,233
Provimi Group SA			
EUR	750,000	Term Loan, Maturing June 28, 2015 ⁽³⁾	1,053,189
EUR	384,472	Term Loan, 6.60%, Maturing June 28, 2015	539,895
EUR	282,055	Term Loan, 6.60%, Maturing June 28, 2015	396,076
EUR	559,105	Term Loan, 6.62%, Maturing June 28, 2015 ⁽²⁾	785,123
EUR	324,424	Term Loan, 6.62%, Maturing June 28, 2015 ⁽²⁾	455,572
	294,112	Term Loan, 7.37%, Maturing June 28, 2015	285,472
EUR	46,773	Term Loan, 8.63%, Maturing June 28, 2015 ⁽²⁾	63,779
EUR	697,446	Term Loan, 8.60%, Maturing December 28, 2016 ⁽²⁾	951,010
	282,126	Term Loan, 9.37%, Maturing December 28, 2016 ⁽²⁾	265,903
Reddy Ice Group, Inc.			
	1,970,000	Term Loan, 7.00%, Maturing August 9, 2012	1,935,525
			\$ 25,887,402
Food Service 2.9%			
AFC Enterprises, Inc.			
\$	464,266	Term Loan, 7.50%, Maturing May 23, 2009	\$ 456,722
Aramark Corp.			
	203,414	Term Loan, 5.20%, Maturing January 26, 2014	198,863
	2,842,419	Term Loan, 7.20%, Maturing January 26, 2014	2,778,820
GBP	992,500	Term Loan, 8.44%, Maturing January 27, 2014	2,010,226
Buffets, Inc.			
	186,667	Term Loan, 5.10%, Maturing May 1, 2013	169,750

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	1,402,733	Term Loan, 8.54%, Maturing November 1, 2013	1,275,611
Burger King Corp.			
	1,078,126	Term Loan, 6.75%, Maturing June 30, 2012	1,068,153
CBRL Group, Inc.			
	1,767,239	Term Loan, 6.86%, Maturing April 27, 2013	1,723,058
Denny's, Inc.			
	133,333	Term Loan, 5.12%, Maturing March 31, 2012	131,667
	683,380	Term Loan, 7.26%, Maturing March 31, 2012	674,837
JRD Holdings, Inc.			
	750,000	Term Loan, Maturing June 26, 2014 ⁽³⁾	729,375
	629,686	Term Loan, 7.74%, Maturing June 26, 2014	622,719
NPC International, Inc.			
	380,000	Term Loan, 6.98%, Maturing May 3, 2013	366,700
Principal Amount*		Borrower/Tranche Description	Value
Food Service (continued)			
OSI Restaurant Partners, LLC			
\$	113,342	Term Loan, 5.52%, Maturing May 9, 2013	\$ 109,488
	1,433,066	Term Loan, 7.06%, Maturing May 9, 2014	1,384,342
QCE Finance, LLC			
	1,238,097	Term Loan, 7.45%, Maturing May 5, 2013	1,202,416
	950,000	Term Loan, 10.95%, Maturing November 5, 2013	913,900
Sagittarius Restaurants, LLC			
	394,000	Term Loan, 7.45%, Maturing March 29, 2013	364,450
Selecta			
EUR	741,246	Term Loan, 8.37%, Maturing December 28, 2015	991,968
			\$ 17,173,065
Food / Drug Retailers 2.6%			
General Nutrition Centers, Inc.			
\$	900,000	Term Loan, Maturing September 16, 2013 ⁽³⁾	\$ 837,000
	1,044,750	Term Loan, 7.48%, Maturing September 16, 2013	1,018,414
Iceland Foods Group, Ltd.			
GBP	1,250,000	Term Loan, 8.93%, Maturing May 2, 2014	2,590,196
GBP	1,250,000	Term Loan, 9.43%, Maturing May 2, 2015	2,603,179
Krispy Kreme Doughnut Corp.			
	396,582	Term Loan, 7.71%, Maturing February 16, 2014	376,753
Pantry, Inc. (The)			
	238,889	Term Loan, 0.00%, Maturing May 15, 2014 ⁽²⁾	231,872
	834,021	Term Loan, 6.51%, Maturing May 15, 2014	809,521
Rite Aid Corp.			

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	3,900,000	Term Loan, 6.79%, Maturing June 1, 2014	3,802,500
Roundy's Supermarkets, Inc.			
	3,365,319	Term Loan, 8.46%, Maturing November 3, 2011	3,354,103
			\$ 15,623,538
Forest Products 2.8%			
Appleton Papers, Inc.			
\$	1,346,625	Term Loan, 7.02%, Maturing June 5, 2014	\$ 1,298,231
Boise Cascade Holdings, LLC			
	3,414,339	Term Loan, 6.49%, Maturing April 30, 2014	3,394,707
	768,503	Term Loan, 6.72%, Maturing April 30, 2014	764,084
Georgia-Pacific Corp.			
	8,695,125	Term Loan, 7.41%, Maturing December 20, 2012	8,503,363
NewPage Corp.			
	1,762,160	Term Loan, 7.47%, Maturing May 2, 2011	1,748,944
Xerium Technologies, Inc.			
	1,253,971	Term Loan, 7.95%, Maturing May 18, 2012	1,189,705
			\$ 16,899,034

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Eaton Vance Senior Floating-Rate Trust as of October 31, 2007

PORTFOLIO OF INVESTMENTS CONT'D

Principal Amount*		Borrower/Tranche Description	Value
Healthcare	13.1%		
Accellent, Inc.			
\$	2,331,236	Term Loan, 8.01%, Maturing November 22, 2012	\$ 2,226,330
Alliance Imaging, Inc.			
	1,066,583	Term Loan, 7.63%, Maturing December 29, 2011	1,058,584
American Medical Systems			
	1,467,908	Term Loan, 7.57%, Maturing July 20, 2012	1,433,045
AMN Healthcare, Inc.			
	350,984	Term Loan, 6.95%, Maturing November 2, 2011	342,100
AMR HoldCo, Inc.			
	1,884,045	Term Loan, 7.71%, Maturing February 10, 2012	1,842,831
Biomet, Inc.			
EUR	1,225,000	Term Loan, 7.72%, Maturing December 26, 2014	1,762,300
	2,750,000	Term Loan, 8.20%, Maturing December 26, 2014	2,740,468
Capiro AB			
EUR	500,000	Term Loan, 6.85%, Maturing April 24, 2015	713,428
EUR	500,000	Term Loan, 6.98%, Maturing April 16, 2016	717,046
Cardinal Health 409, Inc.			
	2,269,313	Term Loan, 7.45%, Maturing April 10, 2014	2,186,696
Carestream Health, Inc.			
	2,550,000	Term Loan, 7.11%, Maturing April 30, 2013	2,472,704
	1,000,000	Term Loan, 10.30%, Maturing October 30, 2013	978,333
Carl Zeiss Vision Holding GmbH			
	1,300,000	Term Loan, 7.64%, Maturing March 23, 2015	1,271,833
Community Health Systems, Inc.			
	513,534	Term Loan, 0.00%, Maturing July 25, 2014 ⁽²⁾	502,301
	7,786,466	Term Loan, 7.76%, Maturing July 25, 2014	7,616,137
Concentra, Inc.			
	600,000	Term Loan, 10.70%, Maturing June 25, 2015	564,750
ConMed Corp.			
	483,389	Term Loan, 6.32%, Maturing April 13, 2013	476,138
CRC Health Corp.			
	987,525	Term Loan, 7.45%, Maturing February 6, 2013	965,923
Dako EQT Project Delphi			
	500,000		465,000

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		Term Loan, 8.98%, Maturing December 12, 2016	
DaVita, Inc.		Term Loan, 6.75%, Maturing October 5, 2012	3,971,255
	4,047,997		
Encore Medical Finance, LLC		Term Loan, 7.84%, Maturing November 3, 2013	1,804,094
	1,808,616		
Fenwal, Inc.		Term Loan, 10.79%, Maturing August 28, 2014	477,500
	500,000		
FGX International, Inc.		Term Loan, 9.65%, Maturing December 12, 2012	415,109
	427,948		
Principal Amount*		Borrower/Tranche Description	Value
Healthcare (continued)			
FHC Health Systems, Inc.			
	\$	Term Loan, 12.33%, Maturing December 18, 2009	\$ 372,634
	367,127		
		Term Loan, 14.33%, Maturing December 18, 2009	260,844
	256,989		
		Term Loan, 15.33%, Maturing February 7, 2011	505,000
	500,000		
Fresenius Medical Care Holdings			
		Term Loan, 6.70%, Maturing March 31, 2013	2,470,799
	2,497,924		
Hanger Orthopedic Group, Inc.			
		Term Loan, 7.45%, Maturing May 30, 2013	702,071
	715,942		
HCA, Inc.			
		Term Loan, 7.45%, Maturing November 18, 2013	6,580,801
	6,724,188		
Health Management Association, Inc.			
		Term Loan, 6.94%, Maturing February 28, 2014	2,931,815
	3,061,059		
HealthSouth Corp.			
		Term Loan, 7.63%, Maturing March 10, 2013	1,570,509
	1,600,889		
Iasis Healthcare, LLC			
		Term Loan, 6.79%, Maturing March 14, 2014	74,469
	77,901		
		Term Loan, 7.07%, Maturing March 14, 2014	813,210
	850,693		
		Term Loan, 7.70%, Maturing March 14, 2014 ⁽²⁾	279,259
	292,130		
Ikaria Acquisition, Inc.			
		Term Loan, 7.70%, Maturing March 28, 2013	539,417
	550,426		
IM US Holdings, LLC			
		Term Loan, 9.45%, Maturing June 26, 2015	623,828
	625,000		
Invacare Corp.			
		Term Loan, 7.11%, Maturing February 12, 2013	991,562
	1,017,313		
Leiner Health Products, Inc.			
		Term Loan, 9.65%, Maturing May 27, 2011	912,925
	962,663		
LifeCare Holdings, Inc.			
		Term Loan, 8.20%, Maturing August 11, 2012	799,619
	857,500		

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LifePoint Hospitals, Inc.			
	2,063,187	Term Loan, 7.17%, Maturing April 15, 2012	2,027,450
Magellan Health Services, Inc.			
	1,111,111	Term Loan, 5.01%, Maturing August 15, 2008	1,088,889
	416,667	Term Loan, 6.87%, Maturing August 15, 2008	408,333
Matria Healthcare, Inc.			
	1,000,000	Term Loan, Maturing January 19, 2012 ⁽³⁾	982,500
	161,817	Term Loan, 7.50%, Maturing January 19, 2012	156,081
MultiPlan Merger Corp.			
	1,946,987	Term Loan, 7.25%, Maturing April 12, 2013	1,909,669
National Mentor Holdings, Inc.			
	61,600	Term Loan, 5.32%, Maturing June 29, 2013	60,368
	1,025,420	Term Loan, 7.20%, Maturing June 29, 2013	1,004,912
National Rental Institutes, Inc.			
	864,063	Term Loan, 7.50%, Maturing March 31, 2013	846,781
Nyco Holdings			
EUR	1,000,000	Term Loan, 7.21%, Maturing December 29, 2014	1,355,062
EUR	1,000,000	Term Loan, 7.71%, Maturing December 29, 2015	1,361,573

See notes to financial statements

Eaton Vance Senior Floating-Rate Trust as of October 31, 2007

PORTFOLIO OF INVESTMENTS CONT'D

Principal Amount*		Borrower/Tranche Description	Value
Healthcare (continued)			
Physiotherapy Associates, Inc.			
\$	847,875	Term Loan, 9.50%, Maturing June 27, 2013	\$ 809,721
RadNet Management, Inc.			
	545,876	Term Loan, 9.22%, Maturing November 15, 2012	547,240
ReAble Therapeutics Finance, LLC			
	2,675,227	Term Loan, 7.45%, Maturing November 16, 2013	2,635,099
Renal Advantage, Inc.			
	343,111	Term Loan, 8.10%, Maturing October 5, 2012	335,820
Select Medical Holding Corp.			
	2,143,800	Term Loan, 7.48%, Maturing February 24, 2012	2,062,513
Sunrise Medical Holdings, Inc.			
	675,653	Term Loan, 9.42%, Maturing May 13, 2010	608,088
Vanguard Health Holding Co., LLC			
	2,176,709	Term Loan, 7.45%, Maturing September 23, 2011	2,133,857
Viant Holdings, Inc.			
	523,688	Term Loan, 7.45%, Maturing June 25, 2014	490,957
			\$ 78,257,580
Home Furnishings 1.7%			
Hunter Fan Co.			
\$	49,286	Term Loan, 0.00%, Maturing April 16, 2014 ⁽²⁾	\$ 44,850
	524,523	Term Loan, 8.03%, Maturing April 16, 2014	477,316
Interline Brands, Inc.			
	1,675,638	Term Loan, 6.57%, Maturing June 23, 2013	1,640,031
National Bedding Co., LLC			
	496,250	Term Loan, 7.09%, Maturing August 31, 2011	469,577
	1,050,000	Term Loan, 9.75%, Maturing August 31, 2012	973,875
Sealy Mattress Co.			
	2,978,571	Term Loan, 6.78%, Maturing August 25, 2011	2,919,000
Simmons Co.			
	2,889,682	Term Loan, 7.36%, Maturing December 19, 2011	2,846,337
	1,000,000	Term Loan, 10.65%, Maturing February 15, 2012	935,000
			\$ 10,305,986
Industrial Equipment 3.6%			
Aearo Technologies, Inc.			
\$	400,000		\$ 386,000

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Principal Amount*	Borrower/Tranche Description	Value
	Term Loan, 10.70%, Maturing September 24, 2013	
698,250	Term Loan, 7.45%, Maturing July 2, 2014	676,866
Alliance Laundry Holdings, LLC		
824,548	Term Loan, 7.86%, Maturing January 27, 2012	820,425
CEVA Group PLC U.S.		
2,282,690	Term Loan, 7.75%, Maturing January 4, 2014	2,248,450
1,071,000	Term Loan, 8.13%, Maturing January 4, 2014	1,054,935
833,485	Term Loan, 8.20%, Maturing January 4, 2014	820,983
Principal Amount*		
Borrower/Tranche Description		
Value		
Industrial Equipment (continued)		
Flowserve Corp.		
\$ 1,995,198	Term Loan, 6.78%, Maturing August 10, 2012	\$ 1,966,517
FR Brand Acquisition Corp.		
746,250	Term Loan, 7.53%, Maturing February 7, 2014	717,333
Generac Acquisition Corp.		
1,782,000	Term Loan, 7.73%, Maturing November 7, 2013	1,578,979
500,000	Term Loan, 11.23%, Maturing April 7, 2014	363,958
Gleason Corp.		
568,403	Term Loan, 7.17%, Maturing June 30, 2013	563,430
138,408	Term Loan, 7.42%, Maturing June 30, 2013	137,197
Goodyear Engineering Products		
148,438	Term Loan, 0.00%, Maturing July 13, 2014 ⁽²⁾	146,087
1,039,063	Term loan, 7.46%, Maturing July 13, 2014	1,022,611
775,000	Term Loan, 10.71%, Maturing July 13, 2015	750,458
Itron, Inc.		
EUR 380,090	Term Loan, 6.73%, Maturing April 18, 2014	544,396
Jason, Inc.		
448,875	Term Loan, 8.03%, Maturing April 30, 2010	437,653
John Maneely Co.		
2,906,844	Term Loan, 8.52%, Maturing December 8, 2013	2,717,899
KION Group GmbH		
250,000	Term Loan, 7.49%, Maturing December 23, 2014	246,051
250,000	Term Loan, 7.74%, Maturing December 23, 2015	247,074
Polypore, Inc.		
3,017,438	Term Loan, 7.07%, Maturing July 3, 2014	2,945,773
Terex Corp.		
715,938	Term Loan, 6.95%, Maturing July 13, 2013	712,358
TFS Acquisition Corp.		

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	693,000	Term Loan, 8.70%, Maturing August 11, 2013	682,605
			\$ 21,788,038
Insurance 1.9%			
Alliant Holdings I, Inc.			
	\$ 975,000	Term Loan, Maturing August 21, 2014 ⁽³⁾	\$ 965,250
AmWINS Group, Inc.			
	500,000	Term Loan, 11.07%, Maturing June 8, 2014	457,500
Applied Systems, Inc.			
	1,336,500	Term Loan, 7.42%, Maturing September 26, 2013	1,309,770
CCC Information Services Group, Inc.			
	604,852	Term Loan, 7.71%, Maturing February 10, 2013	599,559
Conseco, Inc.			
	3,495,376	Term Loan, 6.82%, Maturing October 10, 2013	3,348,280
Crawford & Company			
	1,252,667	Term Loan, 7.45%, Maturing October 31, 2013	1,230,745

See notes to financial statements

Eaton Vance Senior Floating-Rate Trust as of October 31, 2007

PORTFOLIO OF INVESTMENTS CONT'D

Principal Amount*		Borrower/Tranche Description	Value
Insurance (continued)			
Crump Group, Inc.			
\$	1,050,000	Term Loan, Maturing August 4, 2014 ⁽³⁾	\$ 1,034,250
Hub International Holdings, Inc.			
	150,862	Term Loan, 8.01%, Maturing June 13, 2014 ⁽²⁾	148,127
	672,335	Term Loan, 8.20%, Maturing June 13, 2014	660,148
U.S.I. Holdings Corp.			
	1,845,375	Term Loan, 7.95%, Maturing May 4, 2014	1,817,694
			\$ 11,571,323
Leisure Goods / Activities / Movies 8.9%			
24 Hour Fitness Worldwide, Inc.			
\$	1,649,875	Term Loan, 7.81%, Maturing June 8, 2012	\$ 1,625,127
AMC Entertainment, Inc.			
	1,842,188	Term Loan, 6.61%, Maturing January 26, 2013	1,813,260
AMF Bowling Worldwide, Inc.			
	1,000,000	Term Loan, 11.81%, Maturing December 8, 2013	970,000
Bombardier Recreational Product			
	1,822,785	Term Loan, 7.70%, Maturing June 28, 2013	1,774,937
Butterfly Wendel US, Inc.			
	300,000	Term Loan, 8.14%, Maturing June 22, 2013	281,750
	300,000	Term Loan, 7.89%, Maturing June 22, 2014	280,250
Carmike Cinemas, Inc.			
	992,462	Term Loan, 9.23%, Maturing May 19, 2012	990,808
Cedar Fair, L.P.			
	4,004,337	Term Loan, 6.75%, Maturing August 30, 2012	3,931,759
Cinemark, Inc.			
	3,590,317	Term Loan, 7.25%, Maturing October 5, 2013	3,516,267
Deluxe Entertainment Services			
	59,055	Term Loan, 5.10%, Maturing January 28, 2011	57,431
	1,393,701	Term Loan, 7.45%, Maturing January 28, 2011	1,355,374
Easton-Bell Sports, Inc.			
	1,286,082	Term Loan, 6.85%, Maturing March 16, 2012	1,249,711
HEI Acquisition, LLC			
	1,925,000	Term Loan, 9.02%, Maturing April 13, 2014	1,886,500
Mega Blocks, Inc.			

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	1,612,875	Term Loan, 7.25%, Maturing July 26, 2012	1,550,376
Metro-Goldwyn-Mayer Holdings, Inc.			
	7,936,582	Term Loan, 8.45%, Maturing April 8, 2012	7,629,039
National CineMedia, LLC			
	1,250,000	Term Loan, 7.46%, Maturing February 13, 2015	1,210,156
Regal Cinemas Corp.			
	4,009,501	Term Loan, 6.70%, Maturing November 10, 2010	3,926,348
Revolution Studios Distribution Co., LLC			
	1,274,721	Term Loan, 8.51%, Maturing December 21, 2014	1,268,347
	800,000	Term Loan, 11.76%, Maturing June 21, 2015	788,000
Principal Amount*			
		Borrower/Tranche Description	Value
Leisure Goods / Activities / Movies (continued)			
Six Flags Theme Parks, Inc.			
\$	3,142,125	Term Loan, 7.75%, Maturing April 30, 2015	\$ 3,001,713
Southwest Sports Group, LLC			
	1,875,000	Term Loan, 7.75%, Maturing December 22, 2010	1,842,187
Universal City Development Partners, Ltd.			
	1,721,345	Term Loan, 7.33%, Maturing June 9, 2011	1,706,284