

EATON VANCE SENIOR FLOATING RATE TRUST  
Form N-Q  
March 31, 2011

**UNITED STATES SECURITIES AND EXCHANGE COMMISSION**  
**Washington, D.C. 20549**  
**Form N-Q**  
**QUARTERLY SCHEDULE OF PORTFOLIO HOLDINGS OF REGISTERED**  
**MANAGEMENT INVESTMENT COMPANIES**  
**811-21411**  
**Investment Company Act File Number**  
**Eaton Vance Senior Floating-Rate Trust**  
(Exact Name of Registrant as Specified in Charter)  
Two International Place, Boston, Massachusetts 02110  
(Address of Principal Executive Offices)  
Maureen A. Gemma  
Two International Place, Boston, Massachusetts 02110  
(Name and Address of Agent for Services)  
(617) 482-8260  
(Registrant's Telephone Number, Including Area Code)  
October 31  
Date of Fiscal Year End  
January 31, 2011  
Date of Reporting Period

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**Item 1. Schedule of Investments**

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## Eaton Vance Senior Floating-Rate Trust

as of January 31, 2011

## PORTFOLIO OF INVESTMENTS (Unaudited)

Senior Floating-Rate Interests 134.6%

## Principal

## Amount\*

(000 s omitted)

Borrower/Tranche Description	Value
<b>Aerospace and Defense 3.3%</b>	
<b>Aveos Fleet Performance, Inc.</b>	
70 Revolving Loan, 3.86%, Maturing March 12, 2013 <sup>(2)</sup>	\$ 69,950
47 Term Loan, 11.25%, Maturing March 12, 2013	46,633
128 Term Loan - Second Lien, 10.75%, Maturing March 12, 2015 <sup>(3)</sup>	121,871
<b>Booz Allen Hamilton, Inc.</b>	
495 Term Loan, 6.00%, Maturing July 31, 2015	496,547
<b>DAE Aviation Holdings, Inc.</b>	
894 Term Loan, 4.06%, Maturing July 31, 2014	888,541
925 Term Loan, 4.06%, Maturing July 31, 2014	919,976
<b>Delos Aircraft, Inc.</b>	
625 Term Loan, 7.00%, Maturing March 17, 2016	633,036
<b>Doncasters (Dunde HoldCo 4 Ltd.)</b>	
394 Term Loan, 4.26%, Maturing July 13, 2015	373,368
394 Term Loan, 4.76%, Maturing July 13, 2015	373,368
GBP 500 Term Loan - Second Lien, 6.60%, Maturing January 13, 2016	723,836
<b>DynCorp International, LLC</b>	
898 Term Loan, 6.25%, Maturing July 5, 2016	907,401
<b>Evergreen International Aviation</b>	
910 Term Loan, 10.50%, Maturing October 31, 2011 <sup>(3)</sup>	906,052
<b>Hawker Beechcraft Acquisition</b>	
2,861 Term Loan, 2.27%, Maturing March 26, 2014	2,559,133
171 Term Loan, 2.30%, Maturing March 26, 2014	153,395
<b>IAP Worldwide Services, Inc.</b>	
825 Term Loan, 8.25%, Maturing December 30, 2012	823,359
<b>International Lease Finance Co.</b>	
850 Term Loan, 6.75%, Maturing March 17, 2015	860,777
<b>Spirit AeroSystems, Inc.</b>	
1,561 Term Loan, 3.55%, Maturing September 30, 2016	1,573,400
<b>TransDigm, Inc.</b>	
2,150 Term Loan, 5.00%, Maturing December 6, 2016	2,187,223
<b>Triumph Group, Inc.</b>	
572 Term Loan, 4.50%, Maturing June 16, 2016	576,845
<b>Wesco Aircraft Hardware Corp.</b>	
1,014 Term Loan, 2.51%, Maturing September 30, 2013	1,015,828
<b>Wyle Laboratories, Inc.</b>	
871 Term Loan, 7.75%, Maturing March 25, 2016	877,695
	<b>\$ 17,088,234</b>

**Air Transport 0.1%**

**Delta Air Lines, Inc.**

742	Term Loan, 2.25%, Maturing April 30, 2012	\$	740,182
		<b>\$</b>	<b>740,182</b>

**Automotive 5.1%**

**Adesa, Inc.**

1,944	Term Loan, 3.01%, Maturing October 18, 2013	\$	1,944,174
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**Allison Transmission, Inc.**

3,811	Term Loan, 3.02%, Maturing August 7, 2014		3,808,564
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**Autotrader.com, Inc.**

1,100	Term Loan, 4.75%, Maturing December 15, 2016		1,111,912
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**Federal-Mogul Corp.**

2,451	Term Loan, 2.20%, Maturing December 29, 2014		2,387,103
3,080	Term Loan, 2.20%, Maturing December 28, 2015		2,999,748

Principal Amount* (000 s omitted)	Borrower/Tranche Description	Value
	<b>Ford Motor Co.</b>	
3,235	Term Loan, 3.02%, Maturing December 16, 2013	\$ 3,246,982
	<b>Goodyear Tire &amp; Rubber Co.</b>	
5,400	Term Loan - Second Lien, 1.96%, Maturing April 30, 2014	5,317,650
	<b>HHI Holdings, LLC</b>	
963	Term Loan, 10.50%, Maturing March 30, 2015	979,386
	<b>Keystone Automotive Operations, Inc.</b>	
1,306	Term Loan, 3.76%, Maturing January 12, 2012	1,205,187
	<b>Metaldyne, LLC</b>	
923	Term Loan, 7.75%, Maturing October 28, 2016	945,755
	<b>TriMas Corp.</b>	
142	Term Loan, 6.00%, Maturing August 2, 2011	143,119
2,740	Term Loan, 6.00%, Maturing December 15, 2015	2,760,843
		<b>\$ 26,850,423</b>
<b>Beverage and Tobacco 0.2%</b>		
	<b>Green Mountain Coffee Roasters</b>	
1,100	Term Loan, 5.50%, Maturing December 16, 2016	\$ 1,106,188
		<b>\$ 1,106,188</b>
<b>Building and Development 2.1%</b>		
	<b>Armstrong World Industries, Inc.</b>	
650	Term Loan, 5.00%, Maturing May 23, 2017	\$ 660,481
	<b>Beacon Sales Acquisition, Inc.</b>	
1,078	Term Loan, 2.29%, Maturing September 30, 2013	1,059,373
	<b>Brickman Group Holdings, Inc.</b>	
1,175	Term Loan, 7.25%, Maturing October 14, 2016	1,201,438
	<b>Forestar USA Real Estate Group, Inc.</b>	
244	Revolving Loan, 0.67%, Maturing August 6, 2013 <sup>(2)</sup>	234,610
2,240	Term Loan, 6.50%, Maturing August 6, 2015	2,206,517
	<b>NCI Building Systems, Inc.</b>	
252	Term Loan, 8.00%, Maturing April 18, 2014	248,804
	<b>November 2005 Land Investors, LLC</b>	
305	Term Loan, 0.00%, Maturing March 31, 2011 <sup>(4)(5)</sup>	68,589
	<b>Panolam Industries Holdings, Inc.</b>	
1,633	Term Loan, 8.25%, Maturing December 31, 2013	1,513,598
	<b>RE/MAX International, Inc.</b>	
1,886	Term Loan, 5.50%, Maturing April 15, 2016	1,904,608
	<b>Realogy Corp.</b>	
139	Term Loan, 3.26%, Maturing October 10, 2013	135,021
667	Term Loan, 3.29%, Maturing October 10, 2013	647,902
	<b>South Edge, LLC</b>	
1,588	Term Loan, 0.00%, Maturing October 31, 2009 <sup>(6)</sup>	829,469

\$ 10,710,410

**Business Equipment and Services 11.3%**

	<b>Activant Solutions, Inc.</b>	
153	Term Loan, 2.31%, Maturing May 2, 2013	\$ 151,546
916	Term Loan, 4.81%, Maturing February 2, 2016	925,551
	<b>Advantage Sales &amp; Marketing, Inc.</b>	
1,850	Term Loan, 5.25%, Maturing December 18, 2017	1,866,511
	<b>Affinion Group, Inc.</b>	
3,697	Term Loan, 5.00%, Maturing October 10, 2016	3,727,101
	<b>Allied Barton Security Service</b>	
965	Term Loan, 7.75%, Maturing February 18, 2015	966,392
	<b>Dealer Computer Services, Inc.</b>	
1,560	Term Loan, 5.25%, Maturing April 21, 2017	1,576,149
	<b>Education Management, LLC</b>	
4,020	Term Loan, 2.06%, Maturing June 3, 2013	3,958,654

Principal Amount* (000 s omitted)	Borrower/Tranche Description	Value
	<b>Fifth Third Processing Solution</b>	
925	Term Loan, 5.50%, Maturing November 3, 2016	\$ 940,725
	<b>First American Corp.</b>	
920	Term Loan, 4.75%, Maturing April 12, 2016	929,003
	<b>Infogroup, Inc.</b>	
721	Term Loan, 6.25%, Maturing July 1, 2016	731,294
	<b>iPayment, Inc.</b>	
2,215	Term Loan, 2.31%, Maturing May 10, 2013	2,181,340
	<b>Kronos, Inc.</b>	
1,009	Term Loan, 2.05%, Maturing June 11, 2014	1,007,619
	<b>Language Line, Inc.</b>	
2,175	Term Loan, 6.25%, Maturing July 3, 2016	2,196,750
	<b>Mitchell International, Inc.</b>	
1,000	Term Loan - Second Lien, 5.56%, Maturing March 30, 2015	902,500
	<b>NE Customer Service</b>	
1,661	Term Loan, 6.00%, Maturing March 23, 2016	1,660,200
	<b>Protection One Alarm Monitor, Inc.</b>	
1,678	Term Loan, 6.00%, Maturing May 16, 2016	1,684,724
	<b>Quantum Corp.</b>	
154	Term Loan, 3.80%, Maturing July 14, 2014	152,786
	<b>Quintiles Transnational Corp.</b>	
982	Term Loan, 2.31%, Maturing March 29, 2013	982,527
1,700	Term Loan - Second Lien, 4.31%, Maturing March 31, 2014	1,702,125
	<b>Sabre, Inc.</b>	
5,999	Term Loan, 2.28%, Maturing September 30, 2014	5,620,578
	<b>Safenet, Inc.</b>	
1,979	Term Loan, 2.76%, Maturing April 12, 2014	1,969,590
	<b>Serena Software, Inc.</b>	
474	Term Loan, 2.30%, Maturing March 10, 2013	474,198
	<b>Sitel (Client Logic)</b>	
1,567	Term Loan, 5.80%, Maturing January 30, 2014	1,541,243
	<b>Softlayer Tech, Inc.</b>	
650	Term Loan, 7.75%, Maturing November 5, 2016	656,771
	<b>Solera Holdings, LLC</b>	
EUR 727	Term Loan, 2.81%, Maturing May 16, 2014	982,926
	<b>SunGard Data Systems, Inc.</b>	
2,166	Term Loan, 2.01%, Maturing February 28, 2014	2,161,389
6,642	Term Loan, 3.91%, Maturing February 26, 2016	6,684,476
	<b>TransUnion, LLC</b>	
1,915	Term Loan, 6.75%, Maturing June 15, 2017	1,943,906
	<b>Travelport, LLC</b>	
553	Term Loan, 4.80%, Maturing August 21, 2015	539,197
4,062	Term Loan, 4.96%, Maturing August 21, 2015	3,962,739
EUR 1,054	Term Loan, 5.50%, Maturing August 21, 2015	1,382,052
	<b>West Corp.</b>	

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283	Term Loan, 2.74%, Maturing October 24, 2013	282,411
1,971	Term Loan, 4.59%, Maturing July 15, 2016	1,994,386
692	Term Loan, 4.61%, Maturing July 15, 2016	700,705
		<b>\$ 59,140,064</b>

**Cable and Satellite Television 10.1%**

	<b>Atlantic Broadband Finance, LLC</b>	
1,400	Term Loan, 5.00%, Maturing November 27, 2015	\$ 1,412,686
	<b>Bragg Communications, Inc.</b>	
2,080	Term Loan, 2.79%, Maturing August 31, 2014	2,056,724
	<b>Bresnan Communications, LLC</b>	
1,250	Term Loan, 4.50%, Maturing December 14, 2017	1,264,063
	<b>Casema NV</b>	
EUR 1,000	Term Loan - Second Lien, 5.62%, Maturing March 14, 2016	1,380,703



<b>Principal Amount*</b> (000 s omitted)	<b>Borrower/Tranche Description</b>	<b>Value</b>
	<b>Cequel Communications, LLC</b>	
2,151	Term Loan, 2.26%, Maturing November 5, 2013	\$ 2,152,643
	<b>Charter Communications Operating, LLC</b>	
3,943	Term Loan, 2.26%, Maturing March 6, 2014	3,948,213
997	Term Loan, 3.56%, Maturing September 6, 2016	1,001,667
	<b>CSC Holdings, Inc.</b>	
2,885	Term Loan, 2.01%, Maturing March 29, 2016	2,900,318
	<b>Foxco Acquisition Sub, LLC</b>	
561	Term Loan, 7.50%, Maturing July 14, 2015	562,014
	<b>Insight Midwest Holdings, LLC</b>	
3,304	Term Loan, 2.02%, Maturing April 7, 2014	3,298,950
	<b>Kabel Deutschland GmbH</b>	
EUR 2,000	Term Loan, 4.87%, Maturing December 13, 2016	2,764,829
	<b>MCC Iowa, LLC</b>	
5,660	Term Loan, 2.01%, Maturing January 31, 2015	5,518,141
	<b>Mediacom Broadband, LLC</b>	