

EATON VANCE SENIOR FLOATING RATE TRUST
Form N-Q
September 28, 2007

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

Form N-Q

**QUARTERLY SCHEDULE OF PORTFOLIO HOLDINGS 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, Esq.

Eaton Vance Management, 255 State Street, Boston, Massachusetts 02109
(Name and Address of Agent for Services)

(Registrant's Telephone Number, Including Area Code)
Date of Fiscal Year End
Date of Reporting Period

(617) 482-8260
October 31
July 31, 2007

Item 1. Schedule of Investments

Eaton Vance Senior Floating-Rate Trust

as of July 31, 2007

PORTFOLIO OF INVESTMENTS (Unaudited)

Senior, Floating Rate Interests 151.7% (1)

Principal Amount		Borrower/Tranche Description	Value
Aerospace and Defense 2.1%			
\$ 1,468,616		Evergreen International Aviation Term Loan, 8.86%, Maturing October 31, 2011	\$ 1,461,273
176,702		Hawker Beechcraft Acquisition Term Loan, 5.26%, Maturing March 26, 2014	168,530
2,083,077		Term Loan, 7.36%, Maturing March 26, 2014	1,986,735
1,383,103		Hexcel Corp. Term Loan, 7.11%, Maturing March 1, 2012	1,365,814
960,375		IAP Worldwide Services, Inc. Term Loan, 9.69%, Maturing December 30, 2012	876,342
1,617,935		Spirit AeroSystems, Inc. Term Loan, 7.11%, Maturing December 31, 2011	1,626,024
1,625,000		TransDigm, Inc. Term Loan, 7.36%, Maturing June 23, 2013	1,611,797
2,133,588		Vought Aircraft Industries, Inc. Term Loan, 7.83%, Maturing December 17, 2011	2,117,586
1,153,458		Wesco Aircraft Hardware Corp. Term Loan, 7.61%, Maturing September 29, 2013	1,107,320
245,059		Wyle Laboratories, Inc. Term Loan, 8.11%, Maturing January 28, 2011	240,770
			\$ 12,562,191
Air Transport 1.1%			
GBP 1,000,000		Airport Development and Investment Term Loan, 10.03%, Maturing April 7, 2011	\$ 2,021,764
1,200,000		Delta Air Lines, Inc. Term Loan, 8.61%, Maturing April 30, 2014	1,184,100
2,100,000		Northwest Airlines, Inc. DIP Loan, 7.34%, Maturing August 21, 2008	2,054,062
1,180,000		Orbitz Worldwide, Inc. Term Loan, 8.34%, Maturing July 25, 2014	1,178,525
			\$ 6,438,451
Automotive 6.7%			
GBP 1,000,000		AA Acquisitions Co., Ltd. Term Loan, 8.18%, Maturing June 25, 2012	\$ 2,022,906
1,957,967		Accuride Corp. Term Loan, 7.38%, Maturing January 31, 2012	1,902,899
4,225,000		Adesa, Inc. Term Loan, 7.61%, Maturing October 18, 2013	3,900,203
1,370,985		Affina Group, Inc. Term Loan, 8.36%, Maturing November 30, 2011	1,354,705
1,750,000		AxleTech International Holding, Inc. Term Loan, 11.86%, Maturing April 21, 2013	1,745,625

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		CSA Acquisition Corp.	
\$	360,139	Term Loan, 7.88%, Maturing December 23, 2011	\$ 351,226
	900,286	Term Loan, 7.88%, Maturing December 23, 2011	878,004
	492,500	Term Loan, 7.88%, Maturing December 23, 2012	479,572
		Dana Corp.	
	2,350,000	Term Loan, 7.88%, Maturing March 30, 2008	2,317,687
		Dayco Products, LLC	
	1,951,090	Term Loan, 7.85%, Maturing June 21, 2011	1,895,810
		Federal-Mogul Corp.	
	2,915,607	Revolving Loan, 6.83%, Maturing December 31, 2007 (2)	2,786,834
		Ford Motor Co.	
	1,766,125	Term Loan, 8.36%, Maturing December 15, 2013	1,669,110
		General Motors Corp.	
	2,440,244	Term Loan, 7.74%, Maturing November 29, 2013	2,352,549
		Goodyear Tire & Rubber Co.	
	2,400,000	Term Loan, 6.85%, Maturing April 30, 2010	2,307,000
	1,000,000	Term Loan, 8.82%, Maturing March 1, 2011	970,000
		HLI Operating Co., Inc.	
EUR	109,091	Term Loan, 6.86%, Maturing May 30, 2014	147,587
EUR	1,890,909	Term Loan, 6.87%, Maturing May 30, 2014	2,558,172
		Jason, Inc.	
	450,000	Term Loan, 7.82%, Maturing April 30, 2010	439,875
		Keystone Automotive Operations, Inc.	
	895,500	Term Loan, 8.84%, Maturing January 12, 2012	841,770
		Osprey Acquisitions, Ltd	
GBP	1,000,000	Term Loan, 7.96%, Maturing September 30, 2011	1,991,409
		R.J. Tower Corp.	
	1,725,000	Revolving Loan, 6.19%, Maturing February 2, 2008	1,716,915
		The Hertz Corp.	
	400,000	Term Loan, 5.36%, Maturing December 21, 2012	388,667
	2,228,814	Term Loan, 7.10%, Maturing December 21, 2012	2,165,665
		TriMas Corp.	
	234,375	Term Loan, 7.57%, Maturing August 2, 2011	233,203
	1,008,008	Term Loan, 7.61%, Maturing August 2, 2013	1,002,968
		United Components, Inc.	
	1,346,629	Term Loan, 7.36%, Maturing June 30, 2010	1,306,230
			\$ 39,726,591
		Beverage and Tobacco 0.6%	
		Constellation Brands, Inc.	
\$	583,333	Term Loan, 6.88%, Maturing June 5, 2013	\$ 568,542
		Culligan International Co.	
EUR	975,000	Term Loan, 8.85%, Maturing May 31, 2013	1,337,965
		Southern Wine & Spirits of America, Inc.	
	1,431,450	Term Loan, 6.86%, Maturing May 31, 2012	1,408,189
			\$ 3,314,696

Brokers, Dealers and Investment Houses 0.1%			
		AmeriTrade Holding Corp.	
\$	730,172	Term Loan, 6.82%, Maturing December 31, 2012	\$ 714,352
			\$ 714,352
Building and Development 6.5%			
		Beacon Sales Acquisition, Inc.	
\$	694,750	Term Loan, 7.36%, Maturing September 30, 2013	\$ 677,381
		BioMed Realty, L.P.	
3,055,000		Term Loan, 7.57%, Maturing May 31, 2010	3,058,819
		Brickman Group Holdings, Inc.	
1,221,938		Term Loan, 7.34%, Maturing January 23, 2014	1,209,718
		Building Materials Corp. of America	
1,417,884		Term Loan, 8.13%, Maturing February 22, 2014	1,318,632
		Capital Automotive (REIT)	
1,232,598		Term Loan, 7.07%, Maturing December 16, 2010	1,208,973
		Epco / Fantome, LLC	
1,464,000		Term Loan, 7.98%, Maturing November 23, 2010	1,467,660
		Hovstone Holdings, LLC	
1,425,127		Term Loan, 6.84%, Maturing February 28, 2009	1,403,750
		Lanoga Corp.	
1,237,547		Term Loan, 9.00%, Maturing June 29, 2013	1,225,171
		LNR Property Corp.	
2,800,000		Term Loan, 8.11%, Maturing July 3, 2011	2,695,501
		Metroflag BP, LLC (BP Parent)	
500,000		Term Loan, 14.32%, Maturing July 1, 2008	501,250
		Mueller Water Products, Inc.	
1,793,708		Term Loan, 7.10%, Maturing May 24, 2014	1,724,201
		NCI Building Systems, Inc.	
594,000		Term Loan, 6.82%, Maturing June 18, 2010	587,875
		Nortek, Inc.	
2,718,113		Term Loan, 7.61%, Maturing August 27, 2011	2,619,581
		November 2005 Land Investors	
396,647		Term Loan, 8.07%, Maturing May 9, 2011	397,639
		Panolam Industries Holdings, Inc.	
551,491		Term Loan, 8.11%, Maturing September 30, 2012	529,432
		PLY GEM Industries, Inc.	
1,851,022		Term Loan, 8.11%, Maturing August 15, 2011	1,752,301
69,164		Term Loan, 8.11%, Maturing August 15, 2011	65,475
		Realogy Corp.	
901,516		Term Loan, 5.32%, Maturing September 1, 2014	850,644
3,348,484		Term Loan, 8.36%, Maturing September 1, 2014	3,159,533
		South Edge, LLC	
787,500		Term Loan, 7.38%, Maturing October 31, 2009	756,000
		Stile Acquisition Corp.	
1,166,464		Term Loan, 7.36%, Maturing April 6, 2013	1,087,952

		Stile U.S. Acquisition Corp.	
\$	1,168,456	Term Loan, 7.36%, Maturing April 6, 2013	\$ 1,089,810
		Tousa/Kolter, LLC	
	1,297,200	Term Loan, 8.61%, Maturing January 7, 2008	1,298,821
		TRU 2005 RE Holding Co.	
	4,100,000	Term Loan, 8.32%, Maturing December 9, 2008	4,059,000
		United Subcontractors, Inc.	
	825,000	Term Loan, 12.61%, Maturing June 27, 2013	789,937
		Wintergames Acquisition ULC	
	2,875,351	Term Loan, 7.32%, Maturing October 26, 2007	2,882,540
			\$ 38,417,596
Business Equipment and Services	11.4%		
		ACCO Brands Corp.	
\$	1,307,450	Term Loan, 7.11%, Maturing August 17, 2012	\$ 1,271,495
		Activant Solutions, Inc.	
	721,446	Term Loan, 7.38%, Maturing May 1, 2013	683,570
		Affiliated Computer Services	
	812,625	Term Loan, 7.32%, Maturing March 20, 2013	791,407
	2,153,250	Term Loan, 7.32%, Maturing March 20, 2013	2,097,026
		Affinion Group, Inc.	
	2,585,796	Term Loan, 7.86%, Maturing October 17, 2012	2,570,038
		Allied Security Holdings, LLC	
	1,264,545	Term Loan, 8.36%, Maturing June 30, 2010	1,232,932
		Buhrmann US, Inc.	
	3,083,643	Term Loan, 7.11%, Maturing December 31, 2010	3,006,551
		DynCorp International, LLC	
	1,079,116	Term Loan, 7.63%, Maturing February 11, 2011	1,053,487
		Education Management, LLC	
	2,777,595	Term Loan, 7.13%, Maturing June 1, 2013	2,642,573
		Info USA, Inc.	
	615,656	Term Loan, 7.36%, Maturing February 14, 2012	606,421
		ista International GmbH	
EUR	138,439	Term Loan, 6.10%, Maturing May 14, 2015	185,830
EUR	1,136,561	Term Loan, 6.10%, Maturing May 14, 2015	1,538,767
		Kronos, Inc.	
	1,100,000	Term Loan, 7.61%, Maturing June 11, 2014	1,069,750
		Language Line, Inc.	
	2,215,399	Term Loan, 8.61%, Maturing June 11, 2011	2,179,860
		Mitchell International, Inc.	
	1,000,000	Term Loan, 10.63%, Maturing March 28, 2015	950,000
		N.E.W. Holdings I, LLC	
	981,955	Term Loan, 7.86%, Maturing May 22, 2014	913,218
		Nielsen Finance, LLC	
	6,873,063	Term Loan, 7.36%, Maturing August 9, 2013	6,705,264

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		Protection One, Inc.	
\$	907,452	Term Loan, 7.59%, Maturing March 31, 2012	\$ 875,691
		Quantum Corp.	
425,000		Term Loan, 8.82%, Maturing July 12, 2014	416,500
		Quintiles Transnational Corp.	
1,700,000		Term Loan, 9.36%, Maturing March 31, 2014	1,657,500
		Sabare, Inc.	
4,057,297		Term Loan, 7.61%, Maturing September 30, 2014	3,721,121
		Serena Software, Inc.	
517,500		Term Loan, 7.34%, Maturing March 10, 2013	496,369
		Sitel (Client Logic)	
1,995,594		Term Loan, 7.85%, Maturing January 29, 2014	1,950,693
		Solera Holdings, Inc.	
EUR	798,000	Term Loan, 6.19%, Maturing May 15, 2014	1,034,994
		SunGard Data Systems, Inc.	
12,838,983		Term Loan, 7.36%, Maturing February 11, 2013	12,358,856
		TDS Investor Corp.	
EUR	1,054,228	Term Loan, 6.66%, Maturing August 23, 2013	1,422,035
1,345,107		Term Loan, 7.82%, Maturing August 23, 2013	1,317,154
269,897		Term Loan, 7.86%, Maturing August 23, 2013	264,288
		Transaction Network Services, Inc.	
656,422		Term Loan, 7.36%, Maturing May 4, 2012	646,576
		US Investigations Services, Inc.	
1,180,231		Term Loan, 8.07%, Maturing October 14, 2012	1,183,182
1,537,634		Term Loan, 8.07%, Maturing October 14, 2013	1,541,478
		Valassis Communications, Inc.	
479,196		Term Loan, 7.11%, Maturing March 2, 2014	459,429
		VWR International, Inc.	
1,625,000		Term Loan, 7.86%, Maturing June 28, 2013	1,580,312
		WAM Acquisition, S.A.	
EUR	245,946	Term Loan, 6.57%, Maturing May 4, 2014	323,103
EUR	154,054	Term Loan, 6.57%, Maturing May 4, 2014	202,383
EUR	245,946	Term Loan, 6.82%, Maturing May 4, 2015	324,927
EUR	154,054	Term Loan, 6.82%, Maturing May 4, 2015	203,526
		West Corp.	
3,432,772		Term Loan, 7.75%, Maturing October 24, 2013	3,308,811
		Williams Scotsman, Inc.	
750,000		Term Loan, 6.82%, Maturing June 27, 2010	731,250
		Worldspan, L.P.	
1,393,000		Term Loan, 8.61%, Maturing December 7, 2013	1,379,070
			\$ 66,897,437
Cable and Satellite Television	9.4%		
		Atlantic Broadband Finance, LLC	
\$	4,251,578	Term Loan, 7.61%, Maturing February 10, 2011	\$ 4,147,946
		Bragg Communications, Inc.	
1,021,125		Term Loan, 7.11%, Maturing August 31, 2011	1,021,125

		Bresnan Broadband Holdings, LLC	
\$	500,000	Term Loan, 7.36%, Maturing March 29, 2014	\$ 482,678
	1,200,000	Term Loan, 9.86%, Maturing March 29, 2014	1,168,000
		Charter Communications Operating, Inc	
	12,118,808	Term Loan, 7.36%, Maturing April 28, 2013	11,549,224
		CSC Holdings, Inc.	
	2,962,500	Term Loan, 7.07%, Maturing March 29, 2013	2,852,994
		Insight Midwest Holdings, LLC	
	5,325,000	Term Loan, 7.36%, Maturing April 6, 2014	5,171,166
		Mediacom Broadband Group	
	5,865,973	Term Loan, 7.10%, Maturing January 31, 2015	5,660,664
		Mediacom Illinois, LLC	
	2,770,826	Term Loan, 7.10%, Maturing January 31, 2015	2,680,774
		NTL Investment Holdings, Ltd.	
	2,492,490	Term Loan, 7.36%, Maturing March 30, 2012	2,463,672
GBP	530,337	Term Loan, 8.29%, Maturing March 30, 2012	1,058,139
GBP	269,663	Term Loan, 8.29%, Maturing March 30, 2012	538,037
		Orion Cable GmbH	
EUR	1,075,000	Term Loan, 6.97%, Maturing October 31, 2014	1,441,164
EUR	1,075,000	Term Loan, 7.22%, Maturing October 31, 2015	1,448,521
		Persona Communications Corp.	
	161,968	Term Loan, 8.07%, Maturing October 12, 2013	161,563
	260,719	Term Loan, 8.07%, Maturing October 12, 2013	260,067
	825,000	Term Loan, 11.32%, Maturing April 12, 2014	831,187
		ProSiebenSat.1 Media AG	
EUR	593,401	Term Loan, 6.60%, Maturing March 2, 2015	768,110
EUR	11,076	Term Loan, Maturing June 26, 2015 (3)	14,309
EUR	272,924	Term Loan, Maturing June 26, 2015 (3)	352,577
EUR	593,401	Term Loan, 6.98%, Maturing March 2, 2016	772,171
EUR	464,852	Term Loan, 8.35%, Maturing September 2, 2016	599,194
EUR	375,000	Term Loan, Maturing March 2, 2017 (3)	494,711
		UPC Broadband Holding B.V.	
EUR	4,050,000	Term Loan, 6.30%, Maturing June 30, 2009	5,404,254
	1,950,000	Term Loan, 7.13%, Maturing October 16, 2011	1,889,062
		YPSO Holding SA	
EUR	541,621	Term Loan, 6.61%, Maturing July 28, 2014	719,950
EUR	209,021	Term Loan, 6.61%, Maturing July 28, 2014	277,841
EUR	249,358	Term Loan, 6.61%, Maturing July 28, 2014	331,459
EUR	1,000,000	Term Loan, 6.86%, Maturing July 28, 2015	1,343,613
			\$ 55,904,172
Chemicals and Plastics	10.0%		
		Brenntag Holding GmbH and Co. KG	
\$	373,091	Term Loan, 7.39%, Maturing December 23, 2013	\$ 366,562
	1,526,909	Term Loan, 7.39%, Maturing December 23, 2013	1,500,188
	1,000,000	Term Loan, 9.39%, Maturing December 23, 2015	997,500

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		Celanese Holdings, LLC	
\$	4,214,438	Term Loan, 7.11%, Maturing April 2, 2014	\$ 3,975,116
		Cognis GmbH	
EUR	803,279	Term Loan, 6.15%, Maturing September 15, 2013	1,064,107
EUR	196,721	Term Loan, 6.15%, Maturing September 15, 2013	260,598
		First Chemical Holding	
EUR	1,000,000	Term Loan, 6.18%, Maturing December 18, 2014 (2)	1,342,157
		Georgia Gulf Corp.	
932,109		Term Loan, 7.82%, Maturing October 3, 2013	910,671
		Hercules, Inc.	
659,325		Term Loan, 6.82%, Maturing October 8, 2010	653,473
		Hexion Specialty Chemicals, Inc.	
500,000		Term Loan, 7.63%, Maturing May 5, 2012	483,594
4,497,697		Term Loan, 7.63%, Maturing May 5, 2013	4,338,874
977,028		Term Loan, 7.63%, Maturing May 5, 2013	942,527
		Huish Detergents, Inc.	
950,000		Term Loan, 7.32%, Maturing April 26, 2014	883,500
		INEOS Group	
1,608,750		Term Loan, 7.58%, Maturing December 14, 2013	1,563,705
1,608,750		Term Loan, 8.08%, Maturing December 14, 2014	1,563,705
		Innophos, Inc.	
632,897		Term Loan, 7.57%, Maturing August 10, 2010	620,239
		Invista B.V.	
2,504,568		Term Loan, 6.86%, Maturing April 29, 2011	2,416,908
1,327,606		Term Loan, 6.86%, Maturing April 29, 2011	1,281,140
		ISP Chemco, Inc.	
2,600,000		Term Loan, 7.13%, Maturing June 4, 2014	2,497,300
		Kleopatra	
EUR	575,000	Term Loan, 6.60%, Maturing January 3, 2016	787,089
825,000		Term Loan, 7.83%, Maturing January 3, 2016	825,000
		Kranton Polymers, LLC	
3,233,973		Term Loan, 7.38%, Maturing May 12, 2013	3,120,784
		Lucite International Group Holdings	
604,769		Term Loan, 7.61%, Maturing July 7, 2013	580,578
214,122		Term Loan, 7.61%, Maturing July 7, 2013	205,557
		Lyondell Chemical Co.	
3,970,000		Term Loan, 6.86%, Maturing August 16, 2013	3,904,249
		MacDermid, Inc.	
EUR	997,500	Term Loan, 6.41%, Maturing April 12, 2014	1,344,946
		Millenium Inorganic Chemicals	
350,000		Term Loan, 7.61%, Maturing April 30, 2014	336,583
975,000		Term Loan, 11.11%, Maturing October 31, 2014	945,750
		Momentive Performance Material	
1,716,375		Term Loan, 7.63%, Maturing December 4, 2013	1,619,113
		Nalco Co.	
5,411,119		Term Loan, 7.10%, Maturing November 4, 2010	5,286,360

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	Professional Paint, Inc.	
\$ 717,750	Term Loan, 7.88%, Maturing May 31, 2012	\$ 681,862
350,000	Term Loan, 11.63%, Maturing May 31, 2013	330,750
	Propex Fabrics, Inc.	
821,109	Term Loan, 8.36%, Maturing July 31, 2012	808,792
	Rockwood Specialties Group, Inc.	
4,338,750	Term Loan, 6.86%, Maturing December 10, 2012	4,234,199
	Solo Cup Co.	
2,624,667	Term Loan, 8.84%, Maturing February 27, 2011	2,565,612
	Solutia, Inc.	
1,748,505	DIP Loan, 8.36%, Maturing March 31, 2008	1,739,763
	Wellman, Inc.	