EATON VANCE SENIOR FLOATING RATE TRUST Form N-Q March 31, 2008

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)

Maureen A. Gemma

Eaton Vance Management, 255 State Street, Boston, Massachusetts 02109

(Name and Address of Agent for Service)

Registrant s Telephone Number, Including Area

(617) 482-8260

Code:

Date of Fiscal Year End:

October 31

January 31, 2008

Date of Reporting Period:

Item 1. Schedule of Investments

Eaton Vance Senior Floating-Rate Trust

as of January 31, 2008

PORTFOLIO OF INVESTMENTS (Unaudited)

Senior Floating-Rate Interests 156.2% (1)

Principal Amount*		Borrower/Tranche Description		Value
Aerospace and Defense	2.9%			
•		ACTS Aero Technical Support & Service, Inc.		
	709,366	Term Loan, 7.31%, Maturing October 5, 2014	\$	652,617
		Colt Defense, LLC		
	995,000	Term Loan, 6.52%, Maturing July 9, 2014		988,781
		DAE Aviation Holdings, Inc.		
	485,066	Term Loan, 7.75%, Maturing July 31, 2009		484,763
	414,731	Term Loan, 6.99%, Maturing July 31, 2014		413,435
	547,791	Term Loan, 7.93%, Maturing July 31, 2014		546,079
		Evergreen International Aviation		
	1,395,302	Term Loan, 6.81%, Maturing October 31, 2011		1,325,537
		Hawker Beechcraft Acquisition		
	117,836	Term Loan, Maturing March 26, 2014 (2)		111,944
	1,382,164	Term Loan, Maturing March 26, 2014 (2)		1,313,056
	176,702	Term Loan, 6.83%, Maturing March 26, 2014		159,813
	2,072,636	Term Loan, 6.83%, Maturing March 26, 2014		1,874,536
		Hexcel Corp.		
	820,506	Term Loan, 6.46%, Maturing March 1, 2012		808,199
		IAP Worldwide Services, Inc.		
	955,500	Term Loan, 11.13%, Maturing December 30, 2012		848,484
	4 600 =04	Spirit AeroSystems, Inc.		4 700 700
	1,609,784	Term Loan, 5.68%, Maturing December 31, 2011		1,599,723
	4 60 7 000	TransDigm, Inc.		4 7 6 6 0 0 4
	1,625,000	Term Loan, 6.86%, Maturing June 23, 2013		1,566,094
	2.422.204	Vought Aircraft Industries, Inc.		
	2,123,306	Term Loan, 7.34%, Maturing December 17, 2011		2,010,064
	1 1 12 (00	Wesco Aircraft Hardware Corp.		1 000 025
	1,142,688	Term Loan, 7.08%, Maturing September 29, 2013	ф	1,099,837
A. T			\$	15,802,962
Air Transport 0.9%		1. (D.) (T.)		
CDD	006.070	Airport Development and Investment, Ltd.	ф	1.007.050
GBP	986,070	Term Loan, 9.64%, Maturing April 7, 2011	\$	1,806,852
	1 104 000	Delta Air Lines, Inc.		1 007 020
	1,194,000	Term Loan, 8.08%, Maturing April 30, 2014		1,087,038
	2.070.000	Northwest Airlines, Inc.		1 005 751
	2,079,000	DIP Loan, 5.99%, Maturing August 21, 2008	ф	1,905,751
A 4			\$	4,799,641
Automotive 5.7%		A conside Com		
	1.057.067	Accuride Corp.	¢	1 000 214
	1,957,967	Term Loan, 7.56%, Maturing January 31, 2012	\$	1,888,214
	4,203,875	Adesa, Inc. Term Loan, 7.08%, Maturing October 18, 2013		3,691,154
	4,203,673			3,091,134
	1 270 005	Affina Group, Inc. Term Loan, 6.24%, Maturing November 30, 2011		1 240 120
	1,370,985			1,340,138
	2,992,500	Allison Transmission, Inc. Term Loan, 7.43%, Maturing September 30, 2014		2,631,796
	4,774,300	AxleTech International Holding, Inc.		2,031,790
		Axie rech international froming, inc.		

Term Loan, 11.23%, Maturing April 21, 2013	1,723,750
Chrysler Financial	
Term Loan, Maturing August 1, 2014 (2)	1,350,000
CSA Acquisition Corp.	
Term Loan, 7.38%, Maturing December 23, 2011	341,033
Term Loan, 7.38%, Maturing December 23, 2011	852,317
Term Loan, 7.38%, Maturing December 23, 2012	463,050
1	
	Chrysler Financial Term Loan, Maturing August 1, 2014 (2) CSA Acquisition Corp. Term Loan, 7.38%, Maturing December 23, 2011 Term Loan, 7.38%, Maturing December 23, 2011

	Dayco Products, LLC	
1,748,610	Term Loan, 9.27%, Maturing June 21, 2011	\$ 1,455,718
	Delphi Corp.	
1,000,000	DIP Loan, 7.38%, Maturing July 1, 2008	987,500
	Ford Motor Co.	
1,757,250	Term Loan, 8.00%, Maturing December 15, 2013	1,543,185
	General Motors Corp.	
3,422,956	Term Loan, 7.06%, Maturing November 29, 2013	3,140,990
	Goodyear Tire & Rubber Co.	
2,400,000	Term Loan, 6.43%, Maturing April 30, 2010	2,199,000
	HLI Operating Co., Inc.	
EUR 109,091	Term Loan, 6.94%, Maturing May 30, 2014	