Pioneer Floating Rate Trust Form N-Q April 29, 2013

OMB APPROVAL

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UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM N-Q

CERTIFIED SHAREHOLDER REPORT OF REGISTERED MANAGEMENT INVESTMENT COMPANIES

Investment Company Act file number 811-21654

Pioneer Floating Rate Trust (Exact name of registrant as specified in charter)

60 State Street, Boston, MA 02109 (Address of principal executive offices) (ZIP code)

Terrence J Cullen, Pioneer Investment Management, Inc., 60 State Street, Boston, MA 02109 (Name and address of agent for service)

Registrant's telephone number, including area code: (617) 742-7825

Date of fiscal year end: November 30

Date of reporting period: February 28, 2013

Form N-Q is to be used by management investment companies, other than small business investment companies registered on Form N-5 (239.24 and 274.5 of this chapter), to file reports with the Commission, not later than 60 days after close of the first and third fiscal quarters, pursuant to Rule 30b1-5under the Investment Company Act of 1940 (17 CFR 270.30b-5). The Commission may use the information provided on Form N-Q in its regulatory, disclosure review, inspection, and policymaking roles.

A registrant is required to disclose the information specified by Form N-Q, and the Commission will make this information public. A registrant is not required to respond to the collection of information contained in Form N-Q unless the Form displays a currently valid Office of Management and Budget ("OMB") control number. Please direct comments concerning the accuracy of the information collection burden estimate and any suggestions for reducing the burden to Secretary, Securities and Exchange Commission, 450 Fifth Street, NW, Washington, DC 20549-0609. The OMB has reviewed this collection of information under the clearance requirements of 44 U.S.C. ss. 3507.

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ITEM 1. Schedule of Investments.

Pioneer Floating

Rate Trust

NQl February 28, 2013

Ticker Symbols: PHD

Principal

Amount S&P/Moody's USD (\$) Rating (unaudited)

Value

ASSET BACKED

SECURITY - 0.1% of Net

Assets

CONSUMER SERVICES

- 0.1%

Hotels, Resorts, Cruise

lines - 0.1%

208,577 BB/NRWestgate Resorts LLC,

Series 2012-2A, Class C,

9.0%, 1/20/25 (144A) \$ 212,553

Total Consumer Services \$ 212,553

TOTAL ASSET

BACKED SECURITY

(Cost \$208,577) \$212,553

COLLATERALIZED LOAN OBLIGATIONS

- 2.4% of Net Assets

	BANKS - 2.4%	
	Diversified Banks - 0.8%	
1,000,000(a)(b)(c)(d)	BB+/Ba2Primus, Ltd.,	
	Series 2007-2A, Class D,	
	2.704%, 7/15/21 (144A)	\$ 894,220
1,000,000(a)(c)(d)	B+/Ba2Rampart, Ltd.,	
	Series 2006-1A, Class D,	
	3.853%, 4/18/21	887,070
951,289(a)(c)(d)	CCC+/Ba3Stanfield McLaren, Ltd.,	
	Series 2007-1A, Class	
	B2L, 4.787%, 2/27/21	
	(144A)	872,103
		\$ 2,653,393
	Thrifts & Mortgage	
1,000,000(a)(a)(d)	Finance - 1.6%	
1,000,000(a)(c)(d)	BB+/Ba2ACA, Ltd.,	
	Series 2007-1A, Class D, 2.654%, 6/15/22 (144A)	\$ 907,050
1,000,000(a)(c)(d)	BBB/Ba1Goldman Sachs Asset	\$ 907,030
1,000,000(a)(c)(d)	Management Plc,	
	Series 2007-1A, Class D,	
	3.049%, 8/1/22 (144A)	933,540
1,000,000(a)(c)(d)	BBB/Baa3Gulf Stream - Sextant Ltd.,	755,510
1,000,000(4)(0)	Series 2007-1A, Class D,	
	2.708%, 6/17/21 (144A)	890,430
1,000,000(a)(c)(d)	BB/Ba3Landmark CDO, Ltd.,	,
	Series 2007-9A, Class E,	
	3.804%, 4/15/21 (144A)	811,050
2,000,000(a)(c)(d)	BBB/Baa3Stone Tower, Ltd.,	
	Series 2007-6A, Class C,	
	1.653%, 4/17/21 (144A)	1,708,240
		\$ 5,250,310
	Total Banks	\$ 7,903,703
	TOTAL	
	COLLATERALIZED	
	LOAN OBLIGATIONS	ф 7 002 7 02
	(Cost \$6,985,179)	\$ 7,903,703
	SENIOR SECURED	
	FLOATING RATE LOAN	
	INTERESTS - 138.5% of	
	Net Assets *	
	AUTOMOBILES &	
	COMPONENTS - 7.2%	
	Auto Parts & Equipment -	
	5.1%	
633,754	BB-/Ba3	\$ 636,626

		Allison Transmission, Inc., New Term B-2 Loan,	
		3.198%, 8/7/17	
	2,682,652	BB-/Ba3Allison Transmission, Inc.,	
	2,062,032		
		Term Loan B-3, 4.25%,	2 712 502
	022 246	8/23/19	2,713,502
	833,246	B/B1Federal-Mogul Corp.,	
		Tranche B Term Loan,	700 106
	105 105	2.138%, 12/29/14	780,126
	425,125	B/B1Federal-Mogul Corp.,	
		Tranche C Term Loan,	200.024
	1 025 000	2.138%, 12/28/15	398,024
	1,925,000	B+/B2HHI Acquisition Co., Inc.,	
		Additional Term Loan,	1.044.250
	2.7((.227	5.0%, 10/5/18	1,944,250
	3,766,227	B+/B1Key Safety Systems, Inc.,	
		First Lien Term Loan,	2.742.600
	2.765.000	2.453%, 3/8/14	3,742,688
	2,765,000	B+/B1Metaldyne, LLC, USD	
		Term Loan, 6.0%,	2 702 002
	1 225 720	12/18/18	2,793,803
	1,225,738	B+/Ba3TI Group Automotive	
		Systems LLC, Term Loan,	4.044.070
	005.100	6.75%, 3/14/18	1,241,059
	985,129	BB/Ba2Tomkins, LLC, Term Loan	000 515
	1 100 500	B-2, 3.75%, 9/29/16	992,517
	1,102,500	B+/Ba2UCI International, Inc.,	
		(United Components)	
		Term Loan, 5.5%, 7/26/17	1 106 604
			1,106,634
			\$ 16,349,229
		Automobile Manufacturers	
	2.551.110	- 1.1%	
	3,571,119	BB/Ba1Chrysler Group LLC,	
		Tranche B Term Loan,	Φ 2 650 515
		6.0%, 5/24/17	\$ 3,650,715
D: : 1			
Principal	0.000		
Amount	S&P/Moody's	IN.	X 7 1
USD (\$)	Rating (unaudited	1)	Value
		Times & Bubban 100	
2.250	000	Tires & Rubber - 1.0%	
3,250,0	000	BB/Ba1Goodyear Tire & Rubber	
		Co., Extended Second	
		Lien Term Loan, 4.75%,	7 226
		4/30/19 \$ 3,28 Total Automobiles &	1,220
		Components \$ 23,28	7 170
		Components \$ 25,28	7,170

BANKS - 0.2%

	-	
(00,000	Thrifts & Mortgage Finance - 0.2%	
600,000	B/B1Ocwen Financial Corp.,	
	Initial Term Loan, 5.0%,	ф. coo. 100
	2/15/18	\$ 608,400
	Total Banks	\$ 608,400
	CAPITAL GOODS -	
	13.0%	
	Aerospace & Defense - 5.2%	
1,787,994	BBB-/Ba2AWAS Finance	
1,707,994	Luxembourg 2012 SA,	
	Term Loan, 4.75%,	
	7/16/18	\$ 1,805,874
1,049,883	B-/B2DAE Aviation Holdings,	\$ 1,005,674
1,049,003	Inc., Tranche B-1 Loan,	
	6.25%, 11/2/18	1,068,256
250,000	BBB-/Ba2Delos Aircraft, Inc., Term	1,000,230
250,000	Loan, 4.75%, 4/12/16	252,500
1,668,000	BBB-/Ba2Digitalglobe, Inc., Term	232,300
1,000,000	Loan, 3.75%, 1/31/20	1,682,595
694,846	BB-/Ba2DynCorp International,	1,002,575
071,010	Inc., Term Loan, 6.25%,	
	7/7/16	700,058
1,326,090	BB-/B1Hunter Defense	700,020
1,520,070	Technologies, Inc., Term	
	Loan, 3.54%, 8/22/14	1,239,894
1,672,515	NR/NRIAP Worldwide Services,	-,,
, ,	Inc., First Lien Term Loan,	
	10.0%, 12/31/15	1,287,837
622,060	B-/B2PRV Aerospace LLC,	, ,
,	Term Loan, 6.5%, 5/9/18	626,725
1,578,455	B/B2Scitor Corp., Term Loan,	,
	5.0%, 2/15/17	1,574,509
1,575,000	B/B1Sequa Corp., Initial Term	
	Loan, 5.25%, 6/19/17	1,597,641
1,765,477	B+/Ba3SI Organization, Inc., New	
	Tranche B Term Loan,	
	4.5%, 11/22/16	1,774,305
1,000,000	B+/B1Silver II Borrower S.C.A	
	(Silver II US Holdings,	
	LLC),Refinancing Term	
	Loan, 4.0%, 12/13/19	1,001,875
926,914	B/B3Sotera Defense Solutions,	
	Inc., Term Loan B, 7.5%,	
	4/21/17	917,645
475,948	B/B2Standard Aero, Ltd.,	484,278
	Tranche B-2 Loan, 6.25%,	

983,255		BB-/B	11/2/18 1TASC, Inc., New Tranche B Term Loan, 4.5%,	
			12/18/15	984,484
				\$ 16,998,476
1,893,306		BB-/B	Building Products - 2.7% 1 Armstrong World Industries, Inc., Term	
2,718,188		B/B	Loan B-1, 4.0%, 3/10/18 1CPG International I, Inc., Term Loan, 5.75%,	\$ 1,901,116
2,250,000		B+/B2	9/21/19 2Custom Building Products, Inc., Term Loan, 6.0%,	2,743,670
1,736,875		B+/B	12/14/19 1Summit Materials LLC,	2,272,500
1,750,075		D 17D	Term B Loan, 5.0%,	
			1/30/19	1,749,360 \$ 8,666,646
			Construction & Farm Machinery & Heavy Trucks - 1.5%	\$ 6,000,040
989,049		NR/Ba2	2GWF Energy, Term Loan,	
480,666		RR/Ra/	7.0%, 12/13/18 2Manitowoc Co., Inc., Term	\$ 995,849
460,000		DD/Da.	Loan B, 4.25%, 11/13/17	485,969
1,446,375		B+/Ba	3Navistar International Corp., Tranche B, Term	1 460 266
943,086		BB/Ba	Loan, 7.0%, 8/17/17 2Terex Corp., New U.S.	1,468,366
			Term Loan, 4.5%, 4/28/17	955,346
869,794		B+/B2	2Waupaca Foundry, Inc. Term Loan, 5.75%,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
			6/29/17	881,753
			Electrical Components & Equipment - 1.1%	\$ 4,787,283
2,223,825		B+/B	1Pelican Products, Inc. First Lien Term Loan, 7.0%,	
			7/11/18	\$ 2,229,384
Principal				
Amount	S&P/Moody's			
USD (\$)	Rating (unaudite	d)		Value
1,221,938		BB-/Ba	Electrical Components & Equipment (continued) 2WireCo WorldGroup, Inc., Term Loan, 6.0%, 2/15/17	1 240 267
				1,240,267

		\$ 3,469,651
	Industrial Conglomerates -	
	0.5%	
1,742,158	B+/B2Pro Mach, Inc., Term	
	Loan, 5.0%, 7/6/17	\$ 1,759,580
	Industrial Machinery -	
	1.0%	
2,103,660	NR/NRSchaeffler AG,Facility B2	
	USD, 6.0%, 1/27/17	\$ 2,116,808
481,432	BB/Ba3TriMas Co., LLC, Tranche	
	B Term Loan, 3.75%,	
	10/11/19	483,839
797,609	BB-/Ba2Xerium Technologies,	
	Inc., Initial U.S. Term	
	Loan, 6.25%, 5/26/17	801,098
		\$ 3,401,745