Pioneer Floating Rate Trust Form N-Q April 26, 2016

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

FORM N-Q

QUARTERLY SCHEDULE OF PORTFOLIO HOLDINGS OF REGISTERED MANAGEMENT INVESTMENT COMPANY

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 29, 2016

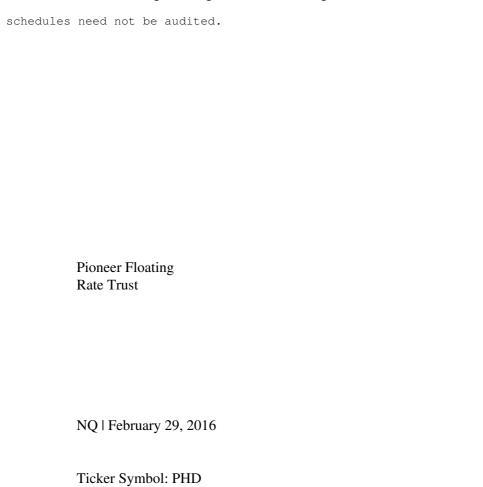
Form N-Q is to be used by management investment companies, other than small business investment companies registered on Form N-5 (239.24 and 274.5 of this chapter), to file reports with the Commission, not later than 60 days after close of the first and third fiscal quarters, pursuant to Rule 30b1-5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

File the schedules as of the close of the reporting period as set forth in ss. 210.12-12 12-14 of Regulation S-X [17 CFR 210.12-12 12-14]. The



Schedule of Investments | 2/29/16 (continued)

Principal Amount		
USD (\$)		Value
	SENIOR SECURED FLOATING	
	RATE LOAN INTERESTS - 138.9%	
	of Net Assets*(a)	
	AUTOMOBILES & COMPONENTS -	
	8.1%	
	Auto Parts & Equipment - 6.3%	
2,851,858	Allison Transmission, Inc., Term Loan	** • • • • • • • • • • • • • • • • • •
2 202 000	B-3, 3.5%, 8/23/19	\$ 2,846,065
2,382,000	BBB Industries US Holdings, Inc., First	2 260 247
1 201 632	Lien Initial Term Loan, 6.0%, 11/3/21 Cooper Standard Intermediate Holdco 2	2,369,347
1,091,032	LLC, Term Loan, 4.0%, 4/4/21	1,840,401
2 347 787	Crowne Group LLC, First Lien Initial	1,040,401
2,317,707	Term Loan, 6.0%, 9/30/20	2,206,920
1,020,726	Electrical Components International,	_,,
, ,	Inc., Term Loan B, 5.75%, 5/28/21	1,009,243
1,689,204	Federal-Mogul Corp., Tranche C Term	
	Loan, 4.75%, 4/15/21	1,362,625
419,688	Gates Global LLC, Initial Dollar Term	
	Loan, 4.25%, 7/6/21	370,025
1,678,750	Key Safety Systems, Inc., Initial Term	
1 646 547	Loan, 4.75%, 8/29/21	1,656,716
1,646,547	MPG Holdco I, Inc., Initial Term Loan,	1 575 222
1 151 005	3.75%, 10/20/21 TI Group Automotive Systems I I C	1,575,333
1,131,063	TI Group Automotive Systems LLC, Initial US Term Loan, 4.5%, 6/30/22	1,113,675
2 058 471	Tower Automotive Holdings USA	1,113,073
2,030,171	LLC, Refinancing Term Loan, 4.0%,	
	4/23/20	1,991,571
		\$ 18,341,921
	Automobile Manufacturers - 1.3%	
3,218,731	Chrysler Group LLC, Term Loan B,	
	3.5%, 5/24/17	\$ 3,207,108
466,667	Visteon Corp., Initial Term Loan, 3.5%,	
	4/9/21	463,240
	T' 0 D 11 0 50	\$ 3,670,348
1 500 000	Tires & Rubber - 0.5%	
1,300,000	Goodyear Tire & Rubber Co., Second Lien Term Loan, 3.75%, 4/30/19	\$ 1,499,296
	Total Automobiles & Components	\$ 23,511,565
	Total Automobiles & Components	Ψ 43,311,303
	BANKS - 0.1%	
	Thrifts & Mortgage Finance - 0.1%	
385,985		\$ 385,623

	Ocwen Loan Servicing, Initial Term Loan, 5.5%, 2/15/18 Total Banks	\$ 385,623
1,073,822	CAPITAL GOODS - 16.1% Aerospace & Defense - 5.0% Accudyne Industries Borrower SCA/Accudyne Industries LLC, Refinancing Term Loan, 4.0%,	
1 242 750	12/13/19	\$ 885,231
	Allion Science and Technology Corp., First Lien Term Loan, 5.5%, 8/19/21	1,190,891
1,571,455	BE Aerospace, Inc., Term Loan, 4.0%, 12/16/21	1,574,990
351,568	DAE Aviation Holdings, Inc., Initial Term Loan, 5.25%, 7/7/22	349,810
1,992,371	Digitalglobe, Inc., Term Loan, 4.75%,	•
1,398,572	1/31/20 DynCorp International, Inc., Term	1,964,976
248 159	Loan, 6.25%, 7/7/16 IAP Worldwide Services, Inc., First	1,335,636
	Lien Term Loan, 8.0%, 7/18/19	249,400
915,238	TASC, Inc., First Lien New Term Loan, 7.0%, 5/22/20	913,705
889,974	TASC, Inc., First Lien Term Loan, 7.0%, 5/22/20	888,483
1,862,000	Turbocombustor Technology, Inc., Initial Term Loan, 5.5%, 12/2/20	1,647,870
1,514,170	Vencore, Inc. (fka SI Organization, Inc.), First Lien Initial Term Loan,	
1 007 220	5.75%, 11/23/19	1,486,411
	WP CPP Holdings LLC, First Lien Term B-3 Loan, 4.5%, 12/28/19	1,652,790
334,900	WP CPP Holdings LLC, Second Lien Term Loan B-1, 8.75%, 4/30/21	294,154
		\$ 14,434,347
1,298,288	Building Products - 3.8% Armstrong World Industries, Inc., Term Loan B, 3.5%, 3/15/20	\$ 1,294,501
1,745,990	Builders FirstSource, Inc., Term Loan B, 6.0%, 7/29/22	1,697,975
392,150	NCI Building Systems, Inc., Tranche B Term Loan, 4.25%, 6/24/19	389,209
1,653,733	Nortek, Inc., Incremental-1 Term Loan, 3.5%, 10/30/20	1,591,718
1,875,000	Quanex Building Products Corp., Initial Term Loan, 6.25%, 11/2/22	1,836,328
472,673	Quikrete Holdings, Inc., Initial First	
884,211	Lien Loan, 4.0%, 9/28/20 Quikrete Holdings, Inc., Initial Second	462,983
	Lien Loan, 7.0%, 3/26/21	875,645

1,701,450	Summit Materials LLC, Restatement Effective Date Term Loan, 4.25%,	
1,463,938	7/18/22 Unifrax Holding Co., New Term B	1,680,891
, ,	Dollar Loan, 4.25%, 11/28/18	1,343,163 \$ 11,172,413
	Construction Machinery & Heavy Trucks - 1.7%	
494,554	Doosan Infracore International, Inc. (Doosan Holdings Europe, Ltd.), Tranche B Term Loan, 4.5%, 5/28/21	\$ 469,826
286,800	Manitowoc Co., Inc., Term Loan B,	·
	3.25%, 1/3/21	283,215
Principal Amount		
USD (\$)		Value
	Construction Machinery & Heavy Trucks - (continued)	
	Manitowoc Co., Inc., Term B Loan, 5.75%, 3/3/23	\$ 1,124,297
1,615,950	Navistar, Inc., Tranche B Term Loan, 6.5%, 8/7/20	1,389,717
879,377	Terex Corp., Dollar Term Loan, 4.5%, 12/15/22	857,393
845,236	Terex Corp., US Term Loan, 3.5%,	0.2.1.10.7
	8/13/21	824,105 \$ 4,948,553
	Electrical Components & Equipment - 1.4%	φ 1,5 10,555
1,961,122	Pelican Products, Inc., First Lien Tem Loan, 5.25%, 4/10/20	\$ 1,863,066
	Southwire Company LLC, Initial Term Loan, 3.25%, 2/10/21	560,398
	WireCo WorldGroup, Inc., Term Loan,	300,370
	6.0%, 2/15/17	1,553,185 \$ 3,976,649
265,654	Industrial Conglomerates - 1.3% Faenza Acquisition GmbH (CeramTec Acquisition Corp.), Dollar Term B-3	
872.061	Loan, 4.25%, 8/30/20 Faenza Acquisition GmbH (CeramTec	\$ 261,337
0,2,001	Acquisition Corp.), Initial Dollar Term B-1 Loan, 4.25%, 8/30/20	857,890
92,247	Faenza Acquisition GmbH (CeramTec Acquisition Corp.), Initial Dollar Term	037,070
998 008	B-2 Loan, 4.25%, 8/30/20 Filtration Group Corp., First Lien Term	90,748
	Loan, 4.25%, 11/23/20 Filtration Group Corp., Second Lien	958,712
370,990	Initial Term Loan, 8.25%, 11/22/21	368,449

168,340	Kleopatra Holdings 2 SCA, Initial German Borrower Dollar Term Loan,	
393,915	5.0%, 4/28/20 Kleopatra Holdings 2 SCA, Initial US	167,568
727 161	Borrower Dollar Term Loan, 5.0%, 4/28/20 Mileson LLC Term Loan, 4.5%	392,109
/2/,161	Milacron LLC, Term Loan, 4.5%, 9/28/20	714,436 \$ 3,811,249
	Industrial Machinery - 2.3%	Ψ 5,011,247
875,009	Gardner Denver, Inc., Initial Dollar	
0,2,000	Term Loan, 4.25%, 7/30/20	\$ 724,945
1,980,000	Mueller Water Products, Inc., Initial	7- 7-
, ,	Term Loan, 4.0%, 11/24/21	1,984,950
1,745,625	NN, Inc., Initial Term Loan, 5.75%,	, ,
	10/19/22	1,715,076
712,008	Schaeffler AG, Facility B-USD, 4.25%,	
	5/15/20	713,269
1,583,147	Xerium Technologies, Inc., New Term	
	Loan, 6.25%, 5/17/19	1,566,326
		\$ 6,704,566
	Trading Companies & Distributors -	
	0.6%	
1,206,273	AWAS Finance Luxembourg 2012 SA,	
	Term Loan, 3.5%, 7/16/18	\$ 1,204,765
711,169	WESCO Distribution, Inc., Tranche B-1	
	Loan, 3.75%, 12/12/19	711,836
		\$ 1,916,601
	Total Capital Goods	\$ 46,964,378
	COMMERCIAL & PROFESSIONAL	
	SERVICES - 6.1%	
	Diversified Support Services - 1.9%	
804,661	DH Publishing LP, Term B-3 Loan,	
	4.0%, 8/19/22	\$ 787,059
1,065,130	InfoGroup, Inc., Term Loan B, 7.0%,	
	5/26/18	981,917
702,804	KAR Auction Services, Inc., Tranche	
	B-2 Term Loan, 3.5%, 3/11/21	699,286
586,471	Language Line LLC, First Lien Initial	
	Term Loan, 6.5%, 7/7/21	581,828
1,500,000	Language Line LLC, Second Lien	
	Initial Term Loan, 10.75%, 7/7/22	1,476,562
975,000	Ryan LLC, Tranche B Term Loan,	
	6.75%, 8/7/20	944,531
		\$ 5,471,183
	Environmental & Facilities Services -	
F.C.C. 0.= 0	2.2%	
566,079	ADS Waste Holdings, Inc., Initial	
	Tranche B-2 Term Loan, 3.75%,	4.550.065
	10/9/19	\$ 550,865

500,000 Infiltrator Systems Integrated LLC,	
Second Lien Term Loan, 9.75%,	
5/26/23	495,000
906,607 US Ecology, Inc., Term Loan, 3.75%,	
6/17/21	905,473
739,413 Waste Industries USA, Inc., Initial	
Term Loan, 4.25%, 2/27/20	736,178
482,718 Wastequip LLC, Term Loan, 5.5%,	
8/9/19	475,477
1,750,897 WCA Waste Corp. (WCA Waste	
Systems, Inc.), Term Loan, 4.0%,	
3/23/18	1,731,200
474,138 Wheelabrator Technologies, Inc., First	
Lien Term B Loan, 5.0%, 12/17/21	432,651
21,073 Wheelabrator Technologies, Inc., First	
Lien Term C Loan, 5.0%, 12/17/21	19,229
1,500,000 Wheelabrator Technolo	