

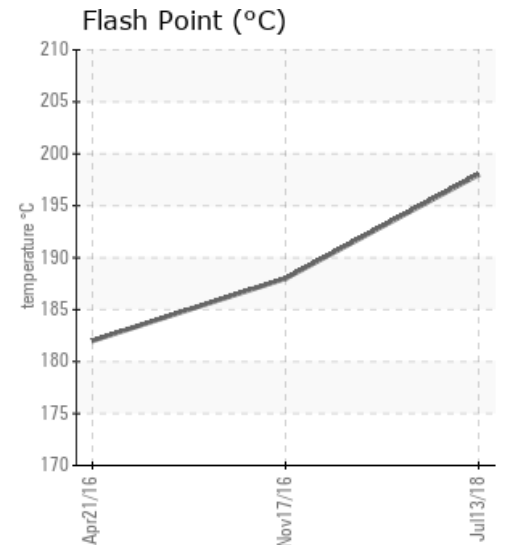
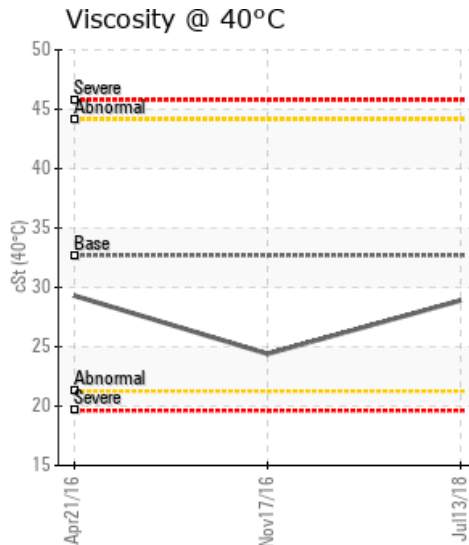
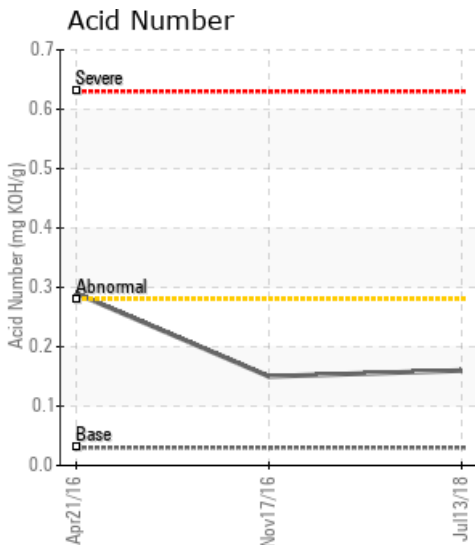
HOT OIL - BLDG 6

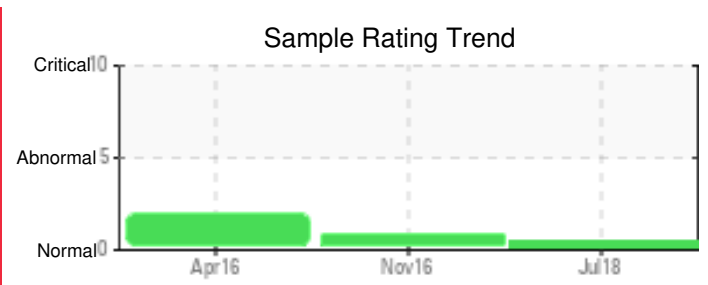
Customer: PTRHTF10028	System Information	Sample Information
PPG AEROSPACE 11601 UNITED ST MOJAVE, CA 93501 USA Attn: Phil Olson Tel: (661)232-6814 E-Mail: phil.olson@ppg.com	System Volume: 0 gal Bulk Operating Temp: Not Specified Heating Source: Blanket: Fluid: PETRO CANADA CALFLO AF Make:	Lab No: 02230450 Analyst: Steven Slanker Sample Date: 07/13/18 Received Date: 07/25/18 Completed: 07/26/18 To discuss this report contact Steven Slanker at (951)225-2115

Recommendation: The sample is in good condition and suitable for continued use.

Comments:

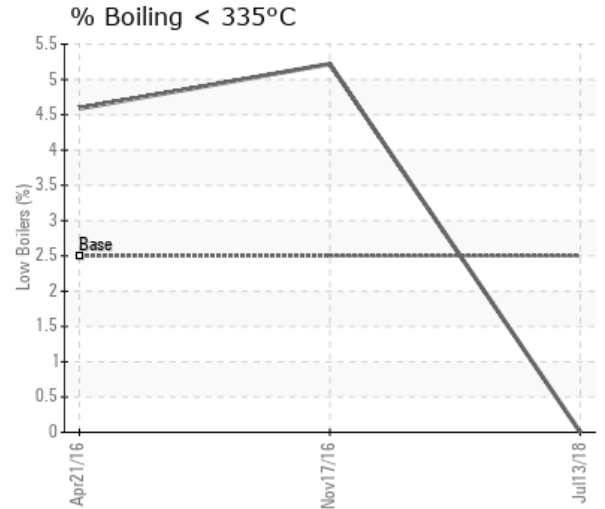
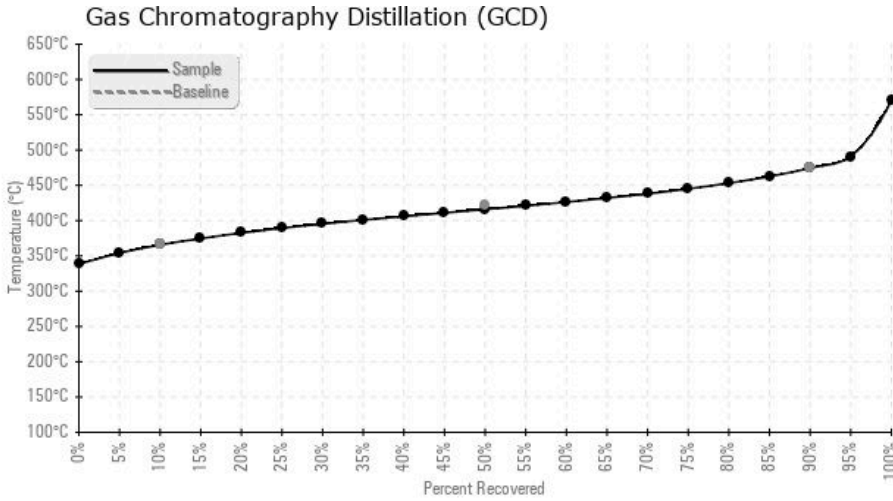
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
07/13/18	07/25/18	0y	DUPLEX FILTER UNIT	388 / 198	63.7	28.9	0.16	0.134	690 / 366	781 / 416	886 / 475	0.00
11/17/16	11/23/16	0y	DUPLEX FILTER OUTSID	370 / 188	18.6	24.4	0.15	0.091	673 / 356	793 / 423	898 / 481	5.22
04/21/16	05/03/16	3y	DUPLEX FILTER	360 / 182	97.7	29.3	0.29	0.182	677 / 359	793 / 423	898 / 481	4.59
Baseline Data				435 / 224		32.7	0.03		693 / 367	790 / 421	887 / 475	2.5





Sample Date	Iron	Chromium	Nickel	Aluminum	Copper	Lead	Tin	Cadmium	Silver	Vanadium	Silicon	Sodium	Potassium	Titanium	Molybdenum	Antimony	Manganese	Lithium	Boron	Magnesium	Calcium	Barium	Phosphorus	Zinc
07/13/18	15	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	1	1	0	0	100	1
11/17/16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	86	0
04/21/16	9	0	0	0	0	1	0	0	0	0	1	3	0	0	0	0	0	0	0	0	0	0	106	1
Baseline Data			0	0						0			0	0					0				270	

Elemental analysis results (above) in parts per million (ppm). [10,000 ppm = 1.0%]



Historical Comments

11/17/16	The COC Flash Point is on the low side. Overall the sample looks good. COC Flash Point is marginally low.
04/21/16	Sample appears ok but with a lot of solids and a lower flash point. Recheck in four months. Acid Number (AN) is abnormally high. COC Flash Point is marginally low.

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