

DUPLEX FILTER

Customer: PTRHTF10028

PPG AEROSPACE 11601 UNITED ST MOJAVE, CA 93501 USA

Attn: Phil Olson Tel: (661)232-6814

E-Mail: phil.olson@ppg.com

System Information

System Volume: 12 gal

Bulk Operating Temp: 570F / 299C

Heating Source:

Blanket:

Fluid: PETRO CANADA CALFLO AF

Make:

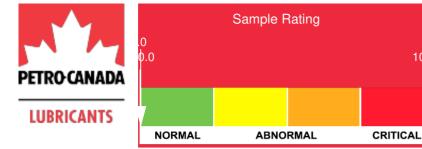
Sample Information

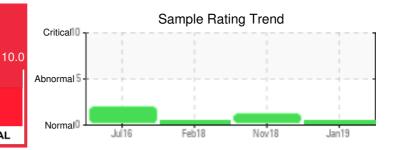
Lab No: 02266546 Analyst: Ron LeBlanc Sample Date: 01/30/19 Received Date: 02/07/19 Completed: 02/11/19

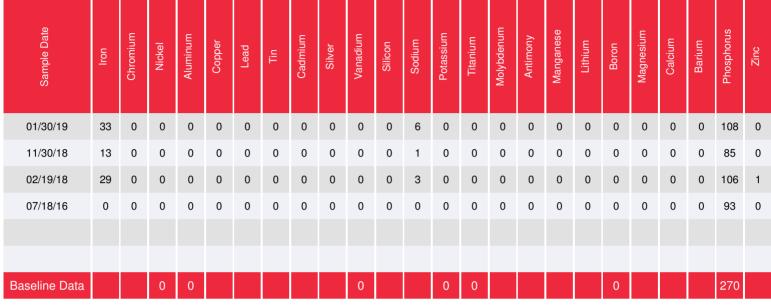
Recommendation: Sample appears normal. Resample in 3 months.

Comments:

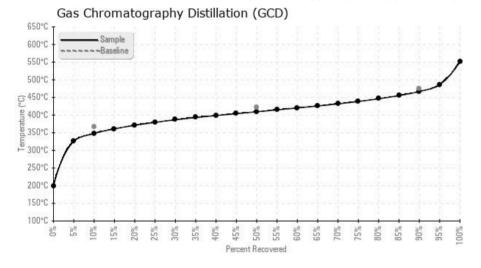
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/	%wt	°F/°C	°F/°C	°F/°C	%
01/30/19	02/07/19	0c		414 / 212	16.4	29.2	0.265	0.111	658 / 348	769 / 409	873 / 467	6.10
11/30/18	02/07/19	0c		410 / 210	81.8	29.5	0.457	0.152	656 / 347	770 / 410	873 / 467	6.44
02/19/18	03/02/18	0c		385 / 196	19.5	29.1	0.18	0.085	675 / 357	791 / 422	893 / 479	4.80
07/18/16	07/22/16	0c	BACK SIDE OF FILTER	370 / 188	8.2	30.1	0.296	0.077	678 / 359	785 / 419	896 / 480	3.48
		Baseline	Dete	435 / 224		00.7	0.00		693 / 367	790 / 421	887 / 475	0.5
A sid N	lumber	baseime	Viscosity			32.7	0.03		lash Point		007 / 473	2.5
0.7 _T :	<u>-</u>	:	50 _T :	@ 40 C								
Severe			Severe 45 26normal					220				
0.6			45 + Abnormal					215				
© 0.5 +			40	_				210				
Aphnomal (mg KOH/g)			- 2E					205				
u u		/	(2) 35 Base 87 30				***	205 -		/		
abnormal			₹ 30					195				
			T I					190				
Ş n 2	\ /		25					30 +				
Ø 0.2	\		25 Abnormal					185				
0.1	\							185		1		
0.1- Base			20 - Abnormal			**********		185 -				
0.1	Feb 19/18	Nov30/18 -	20 Abnormal Severe	Feb 19/18	Nov30/18		Jan30/19 +	185			Nov30/18	Jan30/19

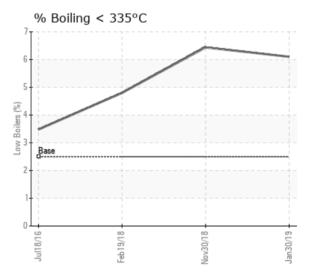






Elemental analysis results (above) in parts per million (ppm). [10,000 ppm = 1.0%]





	Historical Comments					
11/30/18						
02/19/18	Slightly low Flash Point and initial boiling point but suitable for continued use.					
07/18/16	The acid number is on the high side and the flash point is marginally low. It is expect that these numbers will continue to degrade over time. Recommend cleaning and changing out the system as previously discussed at the end of the year. Acid Number (AN) is abnormally high. COC Flash Point is marginally low.					

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