

Attn: Patrick Wallace Tel: E-Mail: patrick.wallace@saintgobain.com

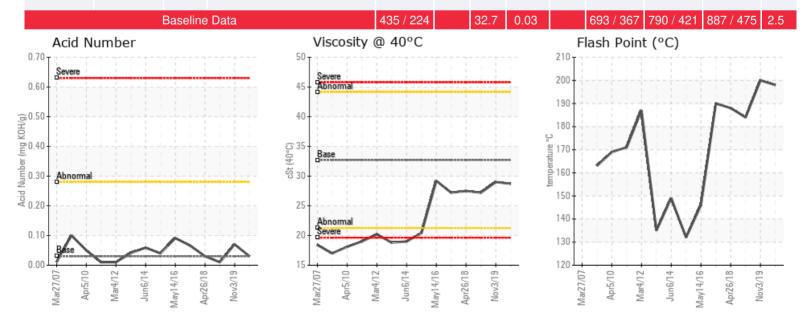
Blanket: Fluid: PETRO CANADA CALFLO AF Make: CHROMALOX

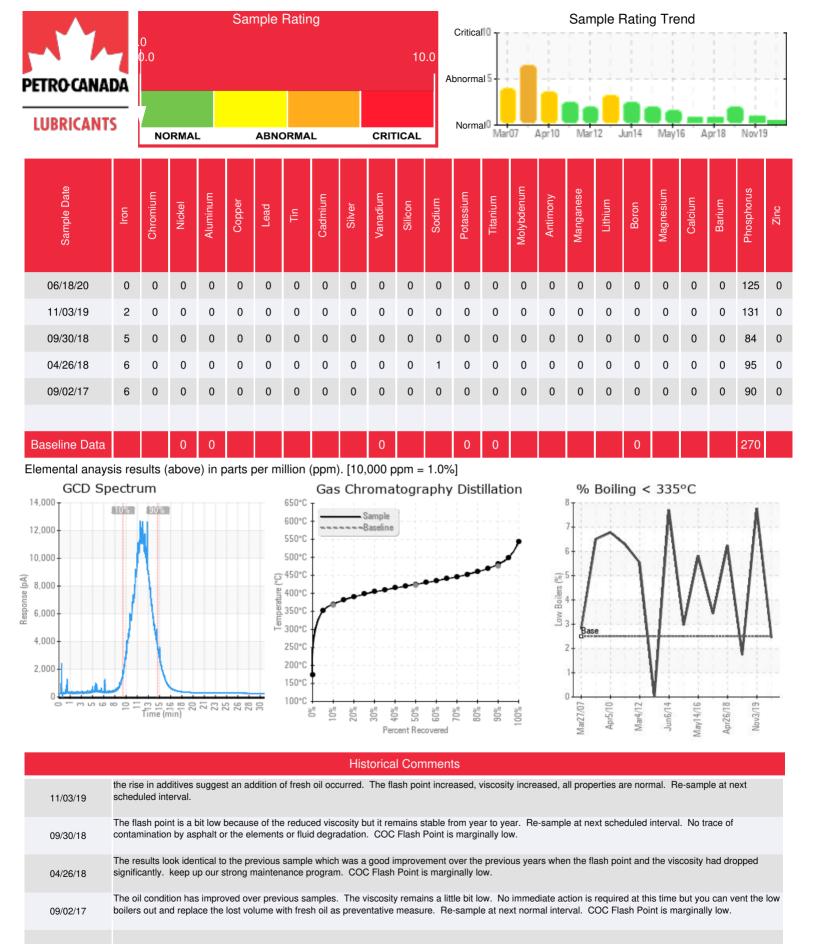
Received Date: 06/29/20 Completed: 07/14/20 Neil Buchanan neil.buchanan@hollyfrontier.com

Recommendation: COC Flash Point is slightly low as it has been in previous samples but within ASTM D92 repeatability/reproducibility. GCD values and graph look good. Pentane Insolubles are trending upward to 0.185% so checking/replacing hot oil filter is suggested.

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	%
06/18/20	06/29/20	10.0y	mian system	388 / 198	5.1	28.7	0.03	0.185	697 / 370	796 / 425	897 / 481	2.44
11/03/19	12/13/19	10.0y	MAINSYSTEMFLOW	392 / 200	9.2	29.0	0.070	0.108	651 / 344	772 / 411	892 / 478	7.78
09/30/18	10/10/18	0.0y		363 / 184	13.0	27.2	0.01	0.028	691 / 366	789 / 421	887 / 475	1.74
04/26/18	04/27/18	0.0y	MAIN SYSTEM FLOW	370 / 188	6.4	27.5	0.03	0.173	661 / 349	780 / 416	885 / 474	6.24
09/02/17	09/12/17	4.0y	MAIN SYSTEM FLOW	374 / 190	7.2	27.2	0.066	0.054	684 / 362	790 / 421	891 / 477	3.43





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