

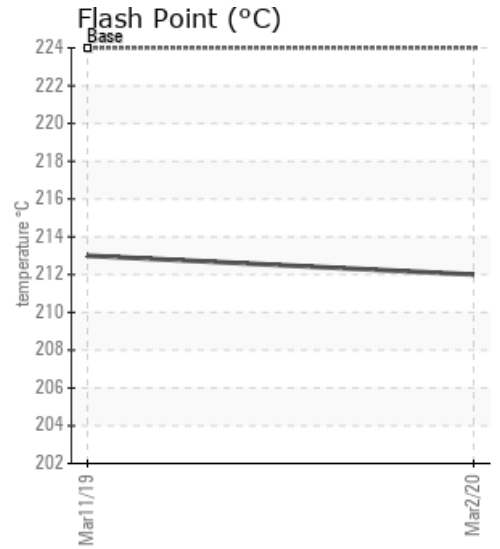
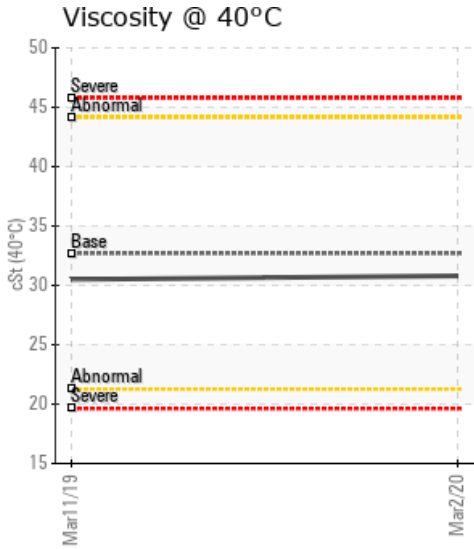
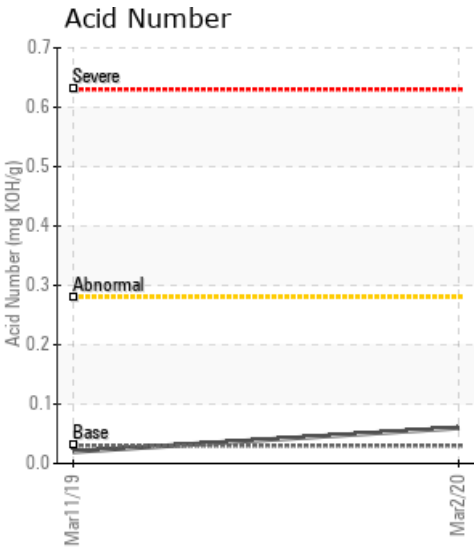
## FULTON PUMP

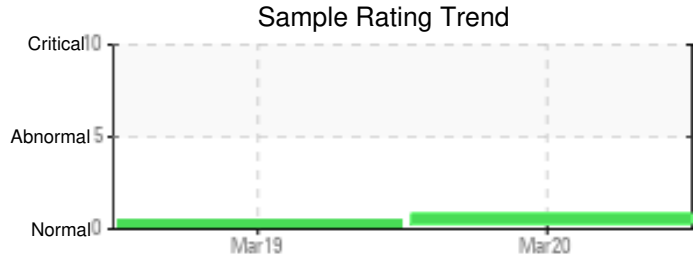
Customer: PTRHTF10039	System Information	Sample Information
Piedmont Chemical Industries 331 BURTON AVE. HIGH POINT, NC 27261 USA Attn: BOB BURGES Tel: (336)885-5131 E-Mail: bburgess@piedmontchemical.com	System Volume: 750 gal Bulk Operating Temp: 536F / 280C Heating Source: Blanket: Fluid: PETRO CANADA CALFLO AF Make: FULTON	Lab No: 02341646 Analyst: Manny Garcia Sample Date: 03/02/20 Received Date: 03/05/20 Completed: 03/11/20 Manny Garcia manuel.garcia@petrocanadalsp.com

Recommendation: 'Vent' the system to bring the distillation points back in check. Filter system fluid to remove contamination and extend life of the oil while maintaining optimum efficiencies. Oil is suitable for continued use. Please re-submit sample in march 2021.

Comments: (GCD) 90% Distillation Point is marginally high. Very Light debris detected in fluid

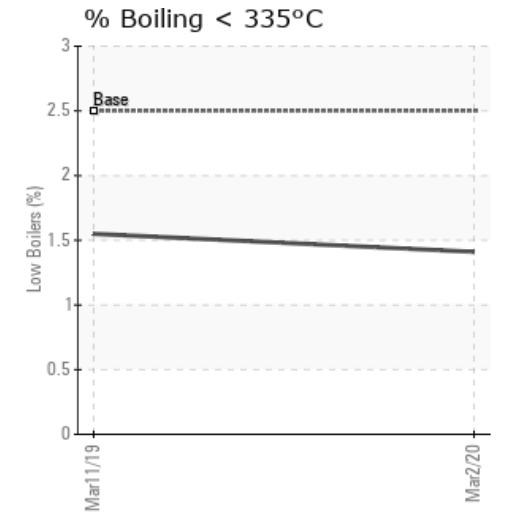
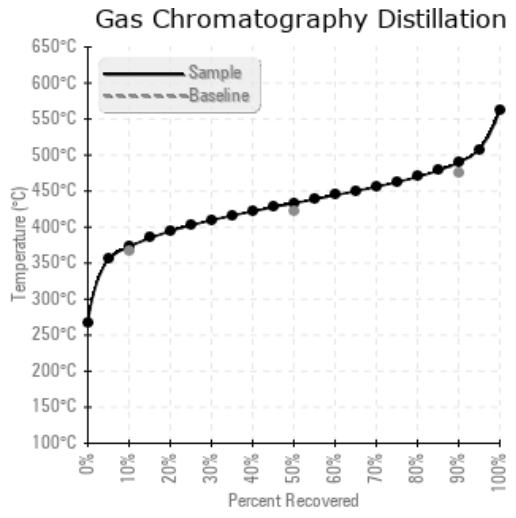
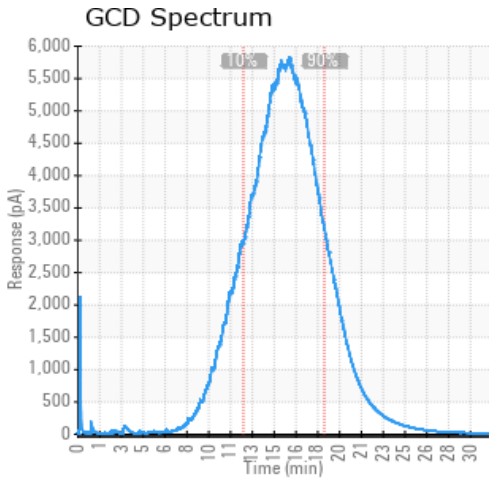
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
03/02/20	03/05/20	9y	FULTONPUMP	414 / 212	0.4	30.8	0.060	0.108	703 / 373	812 / 433	913 / 490	1.41
03/11/19	03/20/19	7y		415 / 213	3.3	30.5	0.02	0.044	694 / 368	790 / 421	888 / 476	1.55
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
03/02/20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	59	0
03/11/19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	61	0
<b>Baseline Data</b>			0	0						0			0	0					0				270	

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



### Historical Comments

03/11/19	Fluid is suitable for continued use. Please re-sample in March 2020. Wear metals are low; Viscosity is perfect at 30.5 Cst @ 40°C. Very little debris seen in the fluid and during an outage the cleanliness level can be improved by using a 2-stage kidney loop system to filter out any debris.

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