

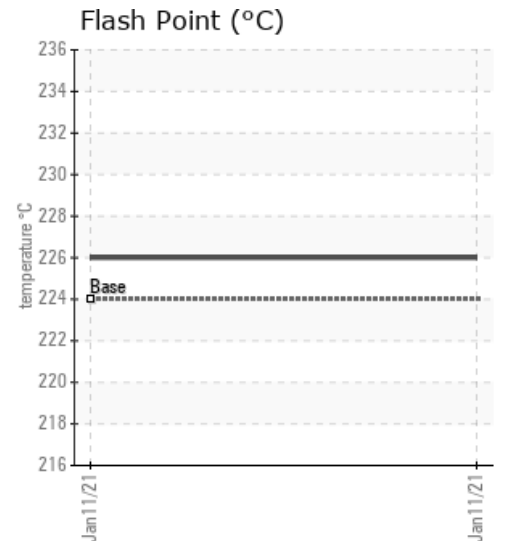
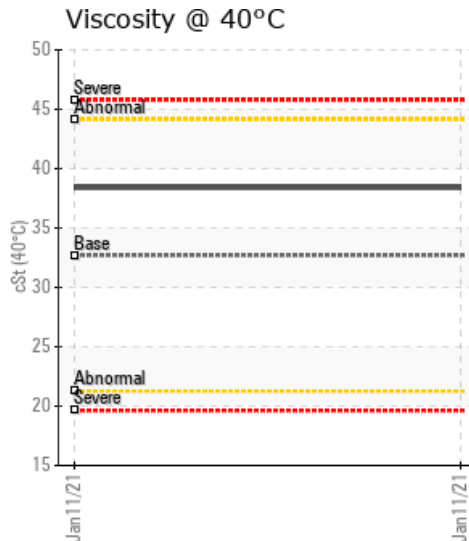
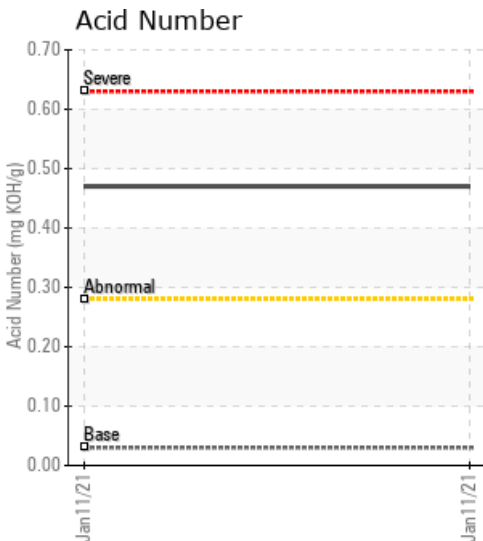
DRYER FT-600C

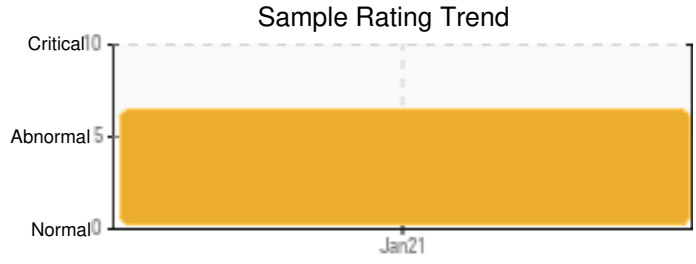
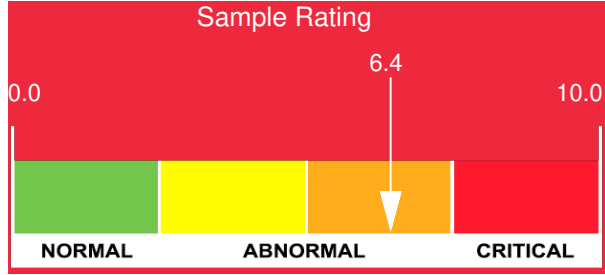
Customer: PTRHTF10242	System Information	Sample Information
ATHENS UTILITIES BOARD 220 ALFRED ST. ATHENS, TN 37303 USA Attn: RUSSELL COLEMAN Tel: (423)507-6067 E-Mail: rcoleman@aub.org	System Volume: 264 gal Bulk Operating Temp: 450F / 232C Heating Source: Blanket: Fluid: PETRO CANADA CALFLO AF Make: FENTON	Lab No: 02398026 Analyst: Jake Finn Sample Date: 01/11/21 Received Date: 01/15/21 Completed: 01/27/21 Jake Finn jake.finn@petrocanadalsp.com

Recommendation: Pentane Insolubles (solids) levels are severely high, indicating heavy contamination of solid oxidation byproducts in the oil. High acid number also points to fluid degradation. Drain and refill with new Calflo AF, replace filters and resample for new baseline.

Comments: Pentane Insolubles levels are severely high. Acid Number (AN) is abnormally high. (GCD) 90% Distillation Point is abnormally high. (GCD) 10% Distillation Point is marginally high. (GCD) 50% Distillation Point is marginally high.

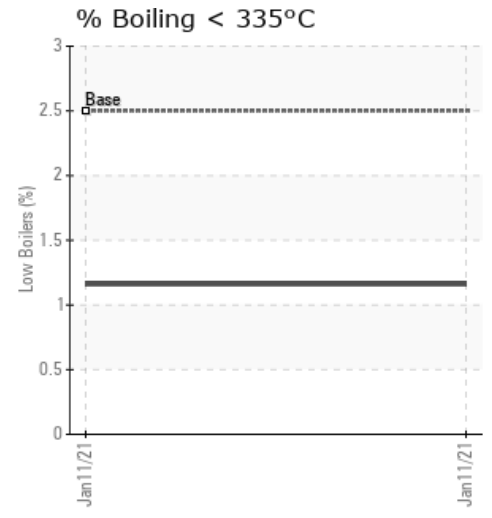
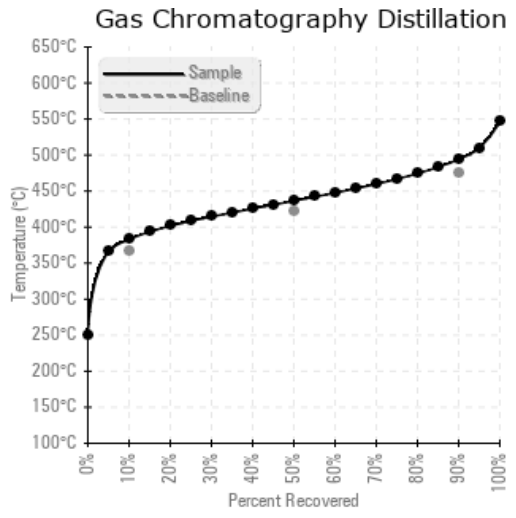
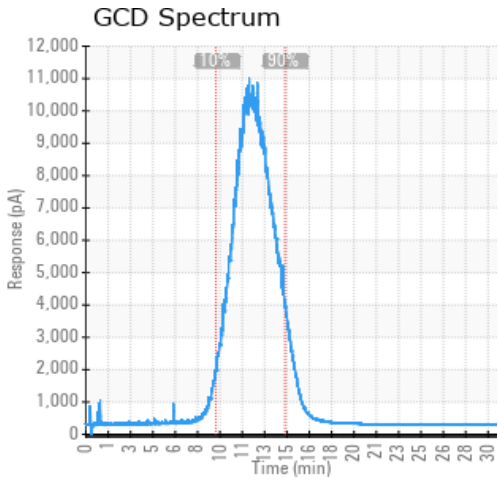
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
01/11/21	01/15/21	3y	WYE	439 / 226	20.7	38.4	0.47	1.09	721 / 383	818 / 436	921 / 494	1.16
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
01/11/21	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	66	0
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

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