

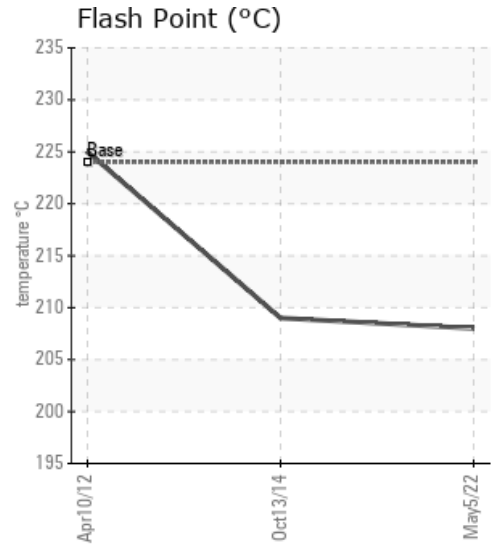
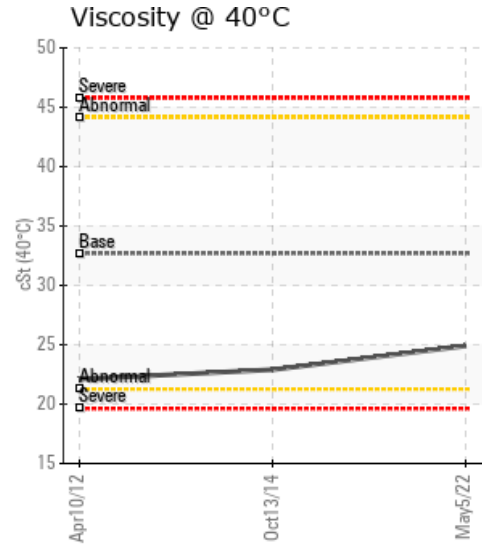
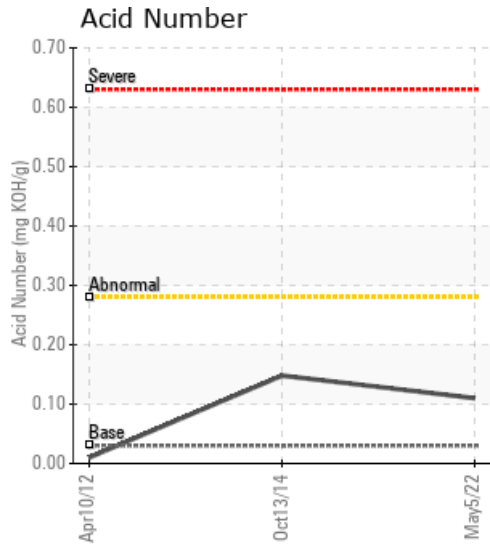
LINE RF-02 SPIN BOILER

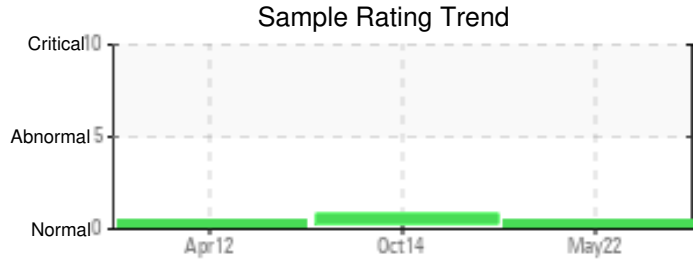
Customer: PTRHTF10057	System Information	Sample Information
PROPEX RINGGOLD PLANT 428 ROLLINS INDUSTRIAL BLVD RINGGOLD, GA 30736 USA Attn: STEWART DOMAINGUE Tel: (423)553-3843 E-Mail: stewart.domaingue@propexglobal.com	System Volume: 300 gal Bulk Operating Temp: 440F / 227C Heating Source: Blanket: Fluid: PETRO CANADA CALFLO AF Make:	Lab No: 02491693 Analyst: Jake Finn Sample Date: 05/05/22 Received Date: 05/31/22 Completed: 06/03/22 Jake Finn jake.finn@hollyfrontier.com

Recommendation: Sample indicates no signs of wear, contamination or fluid degradation. This fluid is suitable for continued use, please resample and submit for testing in 12 months.

Comments: Very light debris noted by lab

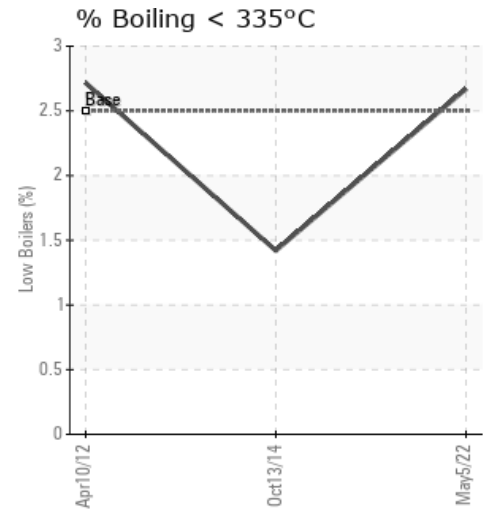
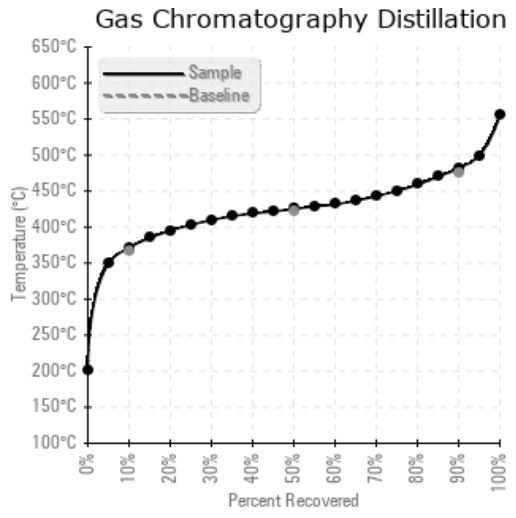
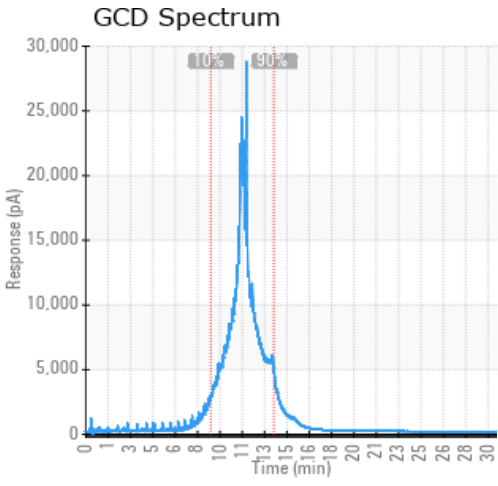
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
05/05/22	05/31/22	0.0h		406 / 208	19.7	24.9	0.11	0.066	701 / 372	797 / 425	899 / 482	2.67
10/13/14	10/23/14	0.0h	RETURN LINE	408 / 209	21.7	22.9	0.148	0.027	686 / 363	794 / 423	914 / 490	1.42
04/10/12	04/20/12		BLEEDER VALVE	437 / 225	61	22.1	0.01	0.016	709 / 376	794 / 423	894 / 479	2.716
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	
05/05/22	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	45	0	
10/13/14	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	0
04/10/12	1	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	1	1	0	23	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	
10/13/14	Even though the oil appears dark it is suitable for further use. Please try to sample every year to monitor fluid condition and plan proper oil change frequency rather than running an overextended fluid and being faced with a costly system cleaning and flushing. (GCD) 90% Distillation Point is marginally high.
04/10/12	Same comments as Godet Boiler. The oil's low viscosity doesn't match the rest of the normal results observed. Flash point is normal, GCD is normal, low boilers are just like fresh Calfilo AF. Overall there is no sign that actions must be taken immediately, the oil is suitable for further use. Re-sample in ~9 months.

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