

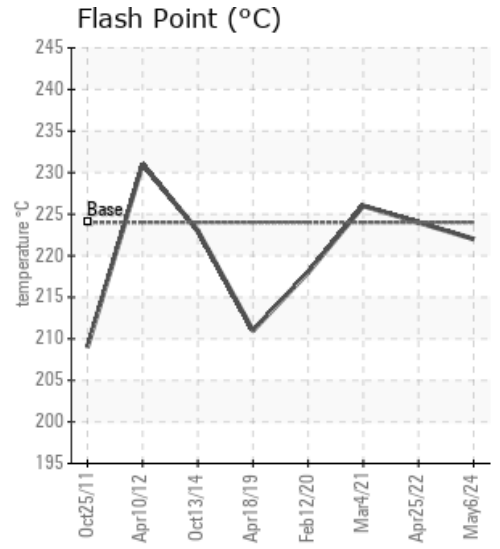
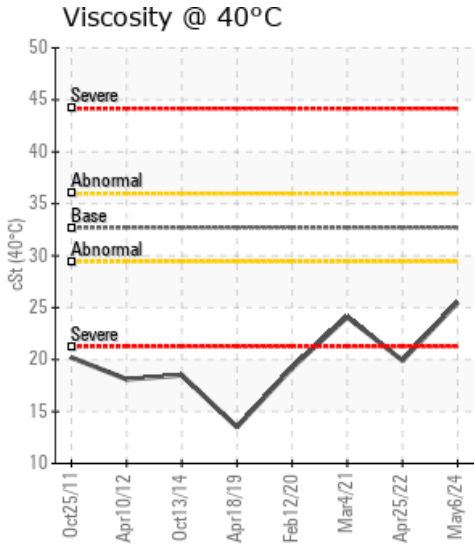
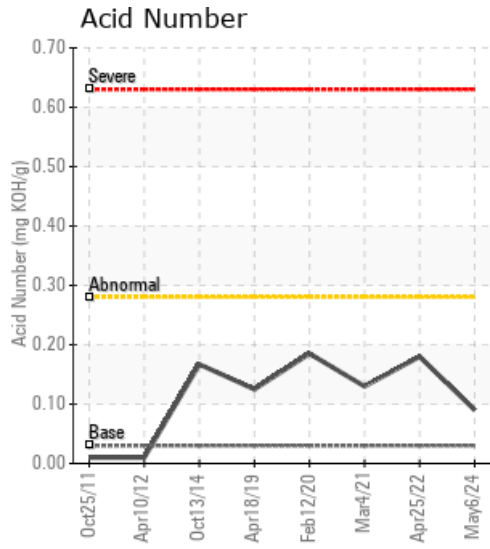
LINE RF-02 GODET BOILER

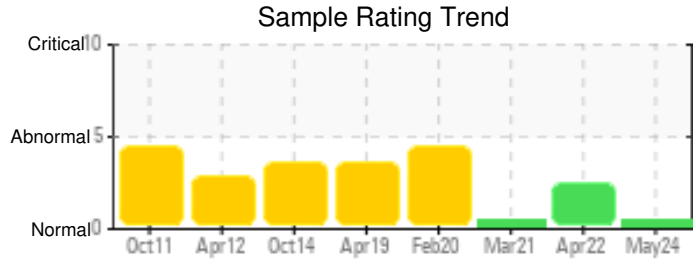
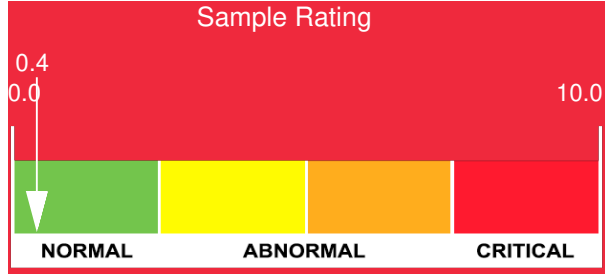
Customer: PTRHTF10057	System Information	Sample Information
PROPEX RINGGOLD PLANT 428 ROLLINS INDUSTRIAL BLVD RINGGOLD, GA 30736 US Attn: STEWART DOMAINGUE Tel: (423)553-3843 E-Mail: stewart.domaingue@propexglobal.com	System Volume: 100 gal Bulk Operating Temp: 220F / 104C Heating Source: Blanket: Fluid: PETRO CANADA CALFLO AF Make:	Lab No: 02635431 Analyst: Jake Finn Sample Date: 05/06/24 Received Date: 05/14/24 Completed: 05/28/24 Jake Finn jake.finn@HFSinclair.com

Recommendation: Viscosity is low, but has improved since the last sample. GCD 10% has also improved. Fluid is suitable for continued use, please resample in 12 months for regular testing.

Comments: Visc @ 40°C is abnormally low.

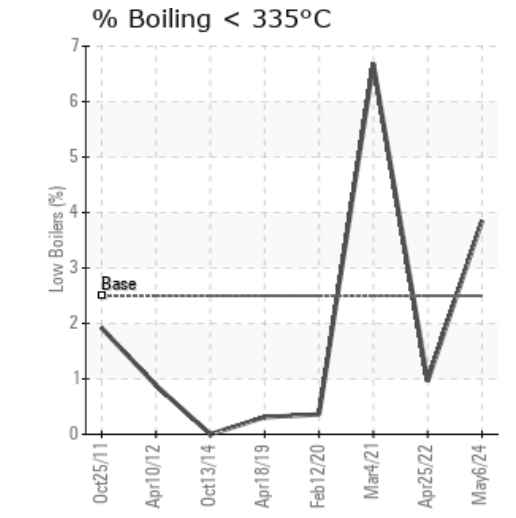
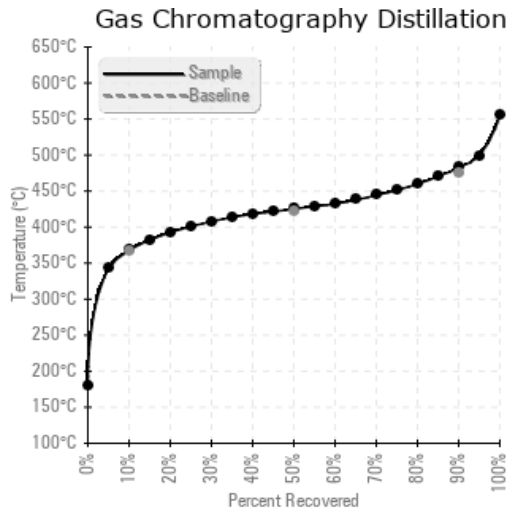
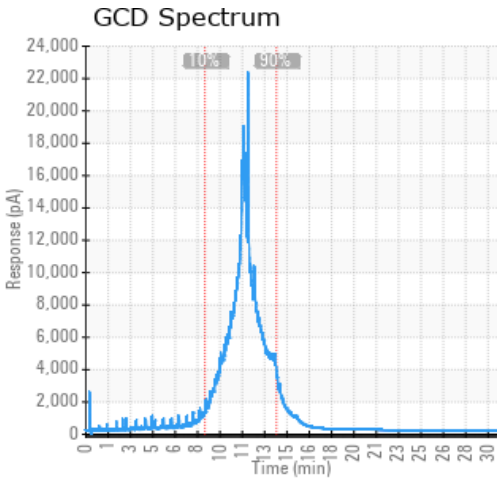
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
05/06/24	05/14/24	0.0h		432 / 222	10	25.5	0.09	0.026	694 / 368	797 / 425	900 / 482	3.85
04/25/22	05/31/22	0.0h		435 / 224	1.4	19.9	0.18	0.020	761 / 405	800 / 427	896 / 480	0.96
03/04/21	03/16/21	0.0h		439 / 226	14.7	24.1	0.13	0.082	663 / 351	785 / 418	886 / 475	6.68
02/12/20	02/25/20	0.0h		424 / 218	11.8	19.2	0.185	0.139	762 / 406	826 / 441	914 / 490	0.36
04/18/19	05/14/19	0.0h		412 / 211	25.5	13.5	0.125	0.024	768 / 409	804 / 429	909 / 487	0.31
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
05/06/24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51	0
04/25/22	3	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	28	0
03/04/21	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	0
02/12/20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0
04/18/19	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	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	
04/25/22	Sample indicates no signs of wear or contamination. Fluid viscosity @40°C is low but is within ISO 22 grade. This fluid is otherwise suitable for continued use, please resample and submit for testing in 12 months. Very light debris noted by lab. (GCD) 10% Distillation Point is severely high. Visc @ 40°C is abnormally low. Note: viscosity @ 40°C run twice (19.9 cSt, 20.1 cSt)
03/04/21	This sample is in good condition, and is suitable for continued use. Please Resubmit a new sample for testing in one year. N/A
02/12/20	Viscosity remains flagged for being too low, but appears to be trending back towards an ISO 22. Sample overall seems to be in fair condition and is slightly improving compared to previous samples. Fluid is otherwise in suitable condition, please resubmit for testing in one year. (GCD) 10% Distillation Point is severely high. Visc @ 40°C is severely low. (GCD) 50% Distillation Point is marginally high. (GCD) 90% Distillation Point is marginally high. Very lite white metal and debris noted by lab
04/18/19	Oil is suitable for continued use, please re-submit sample in 1 year. Changing any system filters or kidney-loop filtering the fluid during any shutdown periods will remove any 'light debris' as seen by the lab. Please remember to include hours of use on oil and age of hot oil system when submitting samples for testing. (GCD) 10% Distillation Point is severely high. Visc @ 40°C is severely low. (GCD) 90% Distillation Point is marginally high. Light debris is noted in lab comments. (GCD) 10% Distillation Point is severely high. Visc @ 40°C is severely low. (GCD) 90% Distillation Point is marginally high.

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