

[15-36-44-15W5] H-5500-1

Customer: PTRHTF60081

Tourmaline 15-36-44-15W5

Rocky Mountain House, AB CA

Attn: Mike Lepitzki Tel: (306)238-7889

E-Mail: mike.lepitzki@tourmalineoil.com

System Information

System Volume: 26500 ltr

Bulk Operating Temp: 410F / 210C

Heating Source:

Blanket:

Fluid: PETRO CANADA PETRO-THERM

Make: PETRO-TECH

Sample Information

Lab No: 02632953 Analyst: Lyle Dach Sample Date: 03/25/24 Received Date: 05/02/24 Completed: 05/13/24

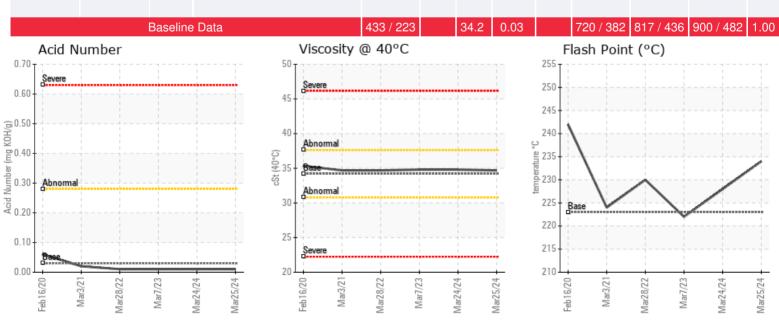
Lyle Dach

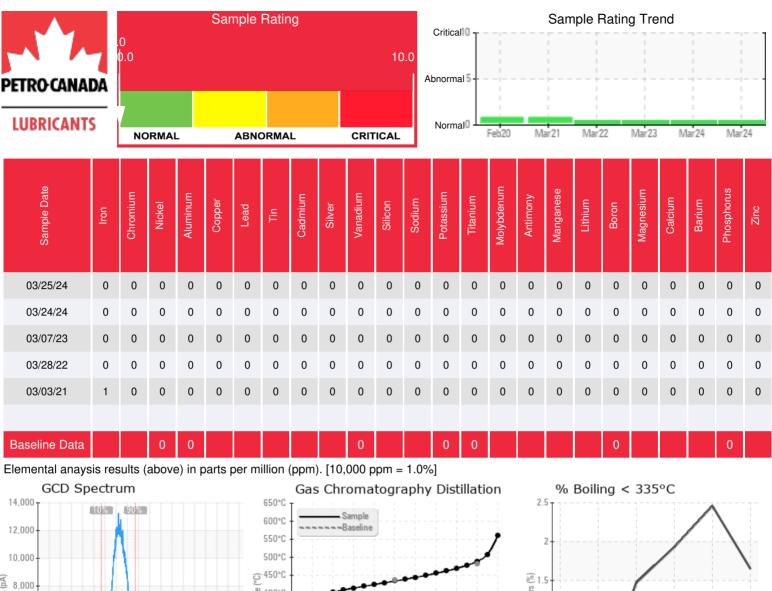
lyle.dach@HFSinclair.com

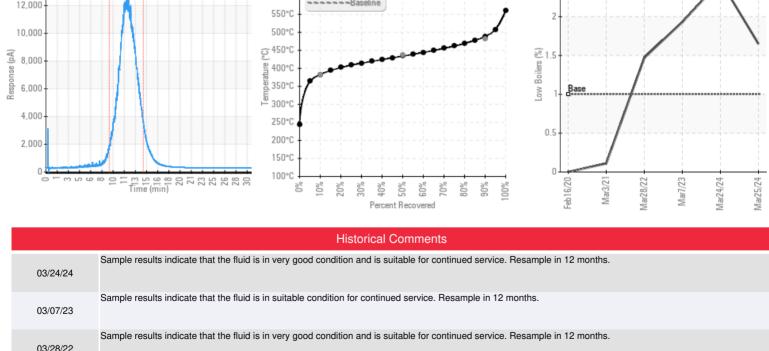
Recommendation: Sample results indicate that the fluid is in very good condition and is suitable for continued service. Resample in 12 months.

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	%
03/25/24	05/02/24	0.0y	AFTER	453 / 234	12	34.7	0.01	0.178	720 / 382	813 / 434	911 / 488	1.65
03/24/24	05/02/24	0.0y	BEFORE	442 / 228	9	34.8	0.01	0.037	716 / 380	812 / 433	910 / 488	2.46
03/07/23	03/31/23	0.0y		432 / 222	14.2	34.8	0.01	0.026	719 / 382	812 / 434	909 / 487	1.93
03/28/22	06/02/22	0.0y	pump discharge	446 / 230	4.6	34.7	0.01	0.053	723 / 384	814 / 434	911 / 489	1.47
03/03/21	03/22/21	5.0y	differential flange	435 / 224	17.6	34.7	0.02	0.034	722 / 383	813 / 434	931 / 500	0.11
Baseline Data				433 / 223		34.2	0.03		720 / 382	817 / 436	900 / 482	1.00







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Fluid remains in very good condition. Suggest submitting samples annually to proactively monitor fluid condition. (GCD) 90% Distillation Point is slightly elevated.

03/03/21