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Recommendation: Sample results indicate the fluid is in suitable condition for continued service. Sodium is up slightly which may indicate contamination is migrating into system. Low boiler vapor content is up to 6.45%. It is recommended to regularly vent low boilers from the expansion tank. Please ensure blanket gas is turned back on after safely venting. 90% GCD temperature remains elevated since the fluid was replaced but practically this isn't effecting performance. Please re-sample in 12 months.

Fluid: PETRO CANADA PETRO-THERM

Make:

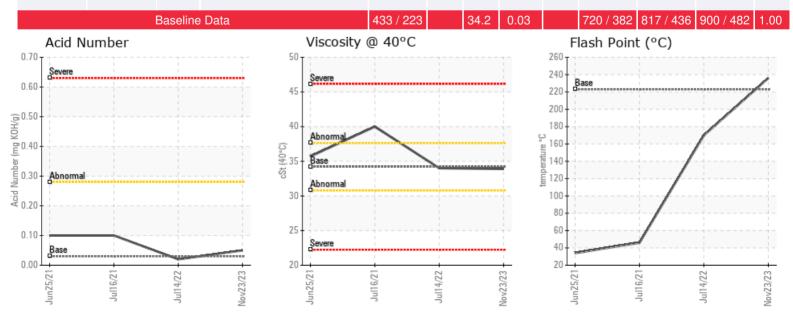
Completed: 12/08/23

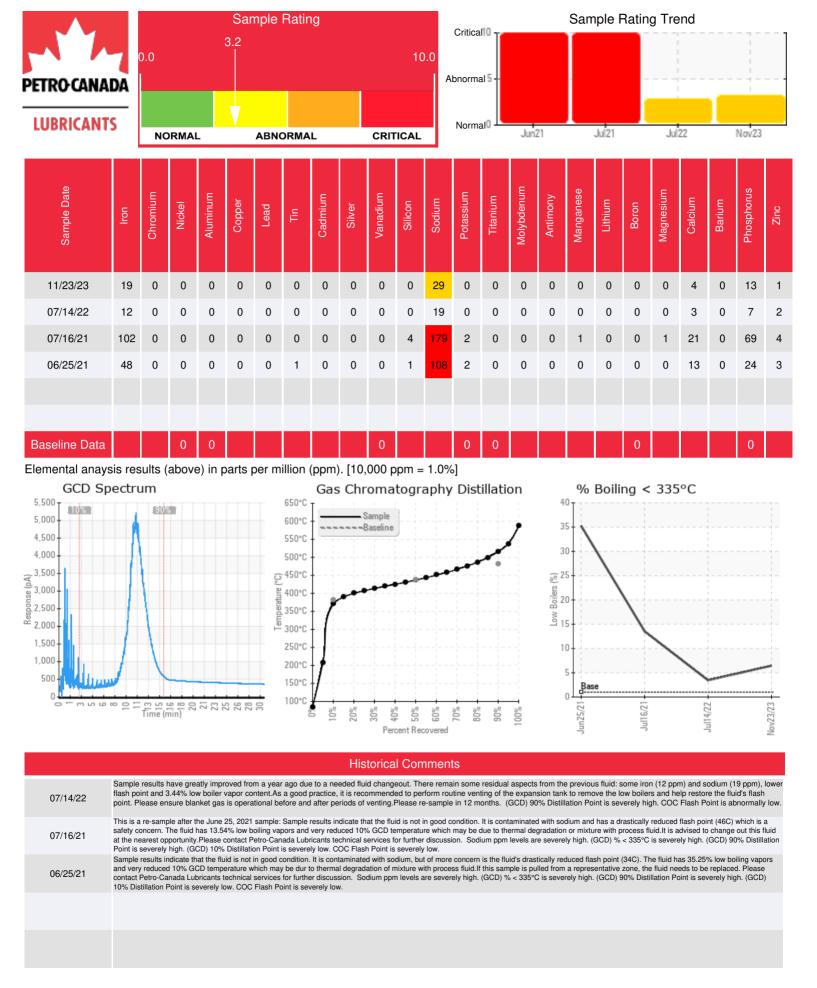
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Comments:

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	%
11/23/23	12/01/23	0.0m		457 / 236	22	33.9	0.05	0.037	698 / 370	818 / 437	960 / 516	6.45
07/14/22	07/25/22	12.0m		338 / 170	46.3	34.0	0.02	0.035	731 / 389	832 / 445	962 / 517	3.44
07/16/21	07/23/21	60.0m	discharge of boiler	115 / 46	55.6	40.0	0.10	0.322	327 / 164	911 / 488	1010 / 543	13.54
06/25/21	07/06/21	24.0m		93 / 34	63.2	35.7	0.10	0.034	240 / 116	781 / 416	938 / 503	35.25





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