

16-08-04-03 W2
ALAMEDA, SK CA
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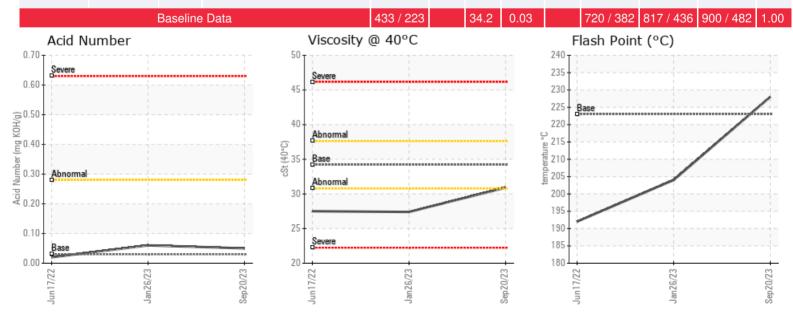
System Volume: 30000 ltrLakBulk Operating Temp: 536F / 280CAnaHeating Source:SaiBlanket:ReaFluid: PETRO CANADA PETRO-THERMConMake:Lyke

Analyst: Lyle Dach Sample Date: 09/20/23 Received Date: 10/02/23 Completed: 10/04/23 Lyle Dach lyle.dach@HFSinclair.com

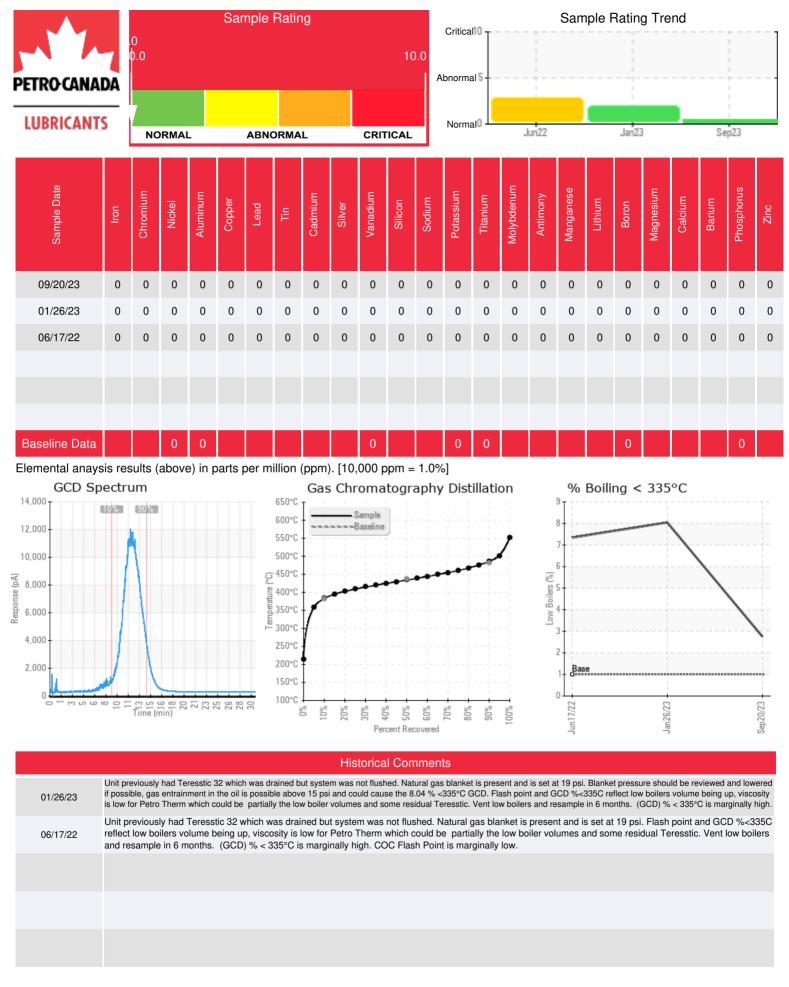
Recommendation: Fluids condition has improved since last sample, if venting was done it has improved the GCD % and the viscosity has also increased getting closer to Petro Therm's expected viscosity. Overall the fluids condition is suitable for continued use, continued venting could still improve the GCD % and viscosity. 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	%
09/20/23	10/02/23	1.5y		442 / 228	9.6	30.9	0.05	0.021	721 / 383	813 / 434	906 / 486	2.75
01/26/23	01/31/23	8.0y		399 / 204	18.1	27.4	0.06	0.029	666 / 352	806 / 430	902 / 483	8.04
06/17/22	06/27/22	0.1y	pump discharge	378 / 192	23.8	27.5	0.02	0.033	678 / 359	807 / 431	902 / 484	7.34



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