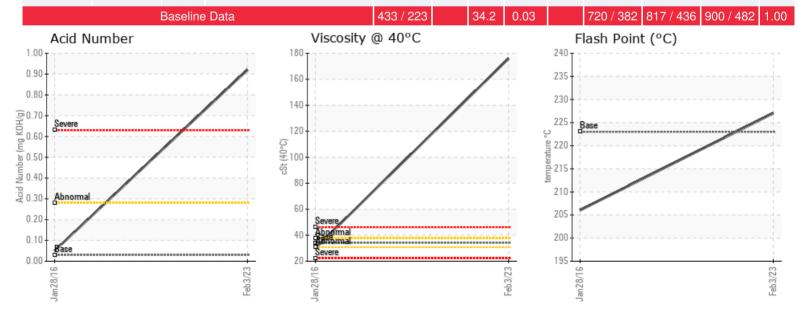
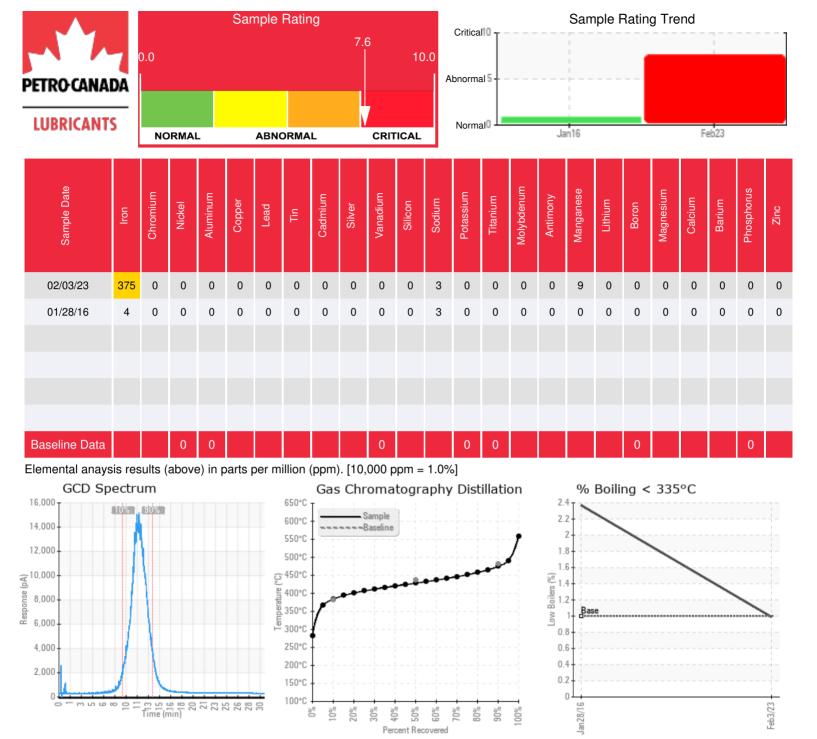


Recommendation: Sample has several parameters that are concerning, the viscosity is significantly higher than Petro Therm oil. The acid number is also quite high which could be the reason for the higher PQ, iron and pentane insoubles. How was the sample collected? Samples should be collected from a turbulent area like the pump discharge if possible. If there are no pumps in the system and a low point must be used for collection ensure the sample point is purged well to clear any sediment that has collected in the low areas. The sample should be at or near system temperature at the time of collection, if it is not continue to purge until the fluid temperature at the sample point has reached system temperatures. Resample.

Comments: PQ levels are abnormal. Iron ppm levels are abnormal. Pentane Insolubles levels are abnormally high. Acid Number (AN) is severely high. Visc @ 40°C is severely high.

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	%
02/03/23	03/17/23	0.0y	sight glass	441 / 227	119.6	176	0.92	0.500	722 / 383	803 / 428	886 / 474	0.99
01/28/16	02/16/16	6.0y	<b>RETURN LINE</b>	403 / 206	65.9	29.9	0.05	0.149	715 / 379	820 / 438	933 / 501	2.37





**Historical Comments** 

(GCD) 90% Distillation Point is high. No history or other information makes this sample difficult to give trend analysis. (GCD) 90% Distillation Point is abnormally high.

01/28/16

Image: Ima

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