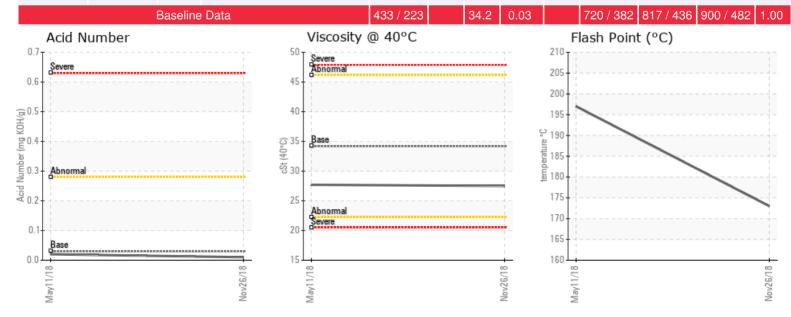


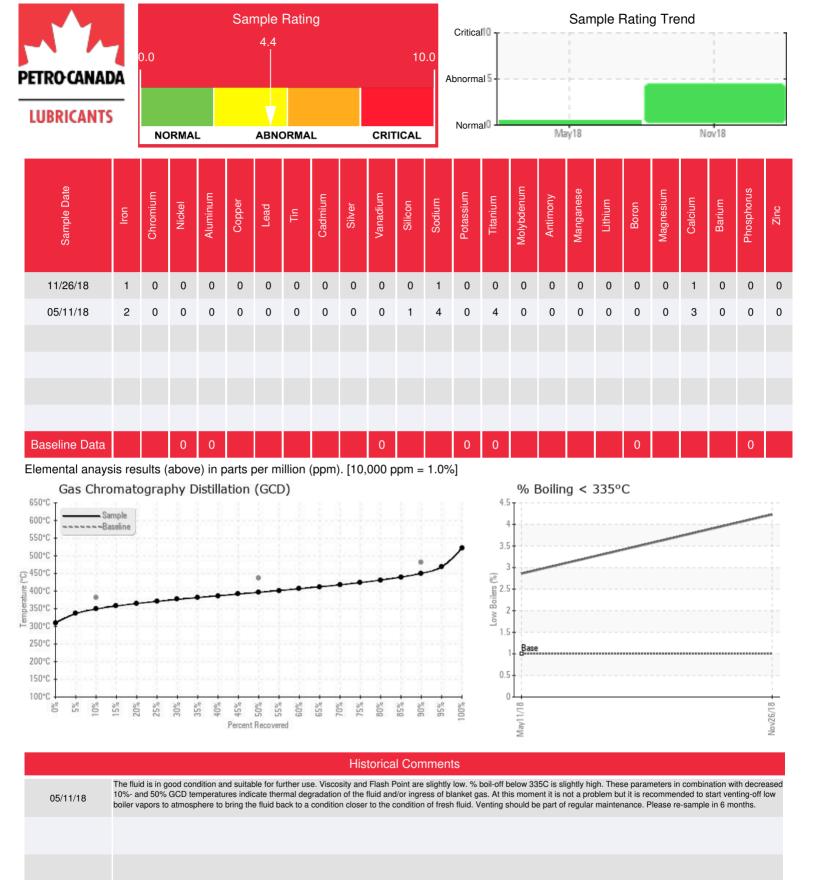
Recommendation: The condition of the fluid shows signs similar to thermal degradation but as commented previously this is most likely the effect of too high pressure blanket gas. The Flash Point has decreased further and the distillation curve is low as a whole. Percentage low boiler vapors has increased to 4.23%. This will become problematic for the pumps at 7-8%. Since this is probably the result of blanket gas ingress it looks like natural gas is still in use. The use of N2 is recommended. Please re-sample in 6 months. When sending in the sample please list system volume. Fluid is suitable for further use.

Comments: (GCD) 90% Distillation Point is severely low. COC Flash Point is abnormally low. (GCD) 10% Distillation Point is marginally low. (GCD) 50% Distillation Point is marginally 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	%
11/26/18	11/29/18	Зу		343 / 173	2.6	27.5	0.01	0.039	660 / 349	746 / 396	842 / 450	4.23
05/11/18	05/15/18	2у	100/6-12-44-13W5	387 / 197	0.00	27.7	0.02	0.041	685 / 363	774 / 412	892 / 478	2.86



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