

**Clinton Buhler** 

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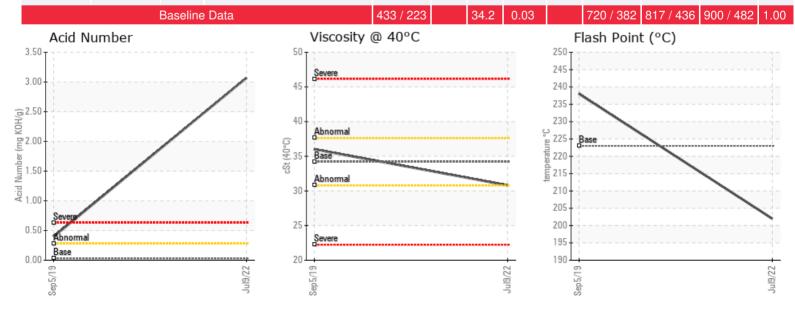
Recommendation: Sample results indicate the fluid is degraded (oxidized) with an Acid Number of 3.07 which is 3X the limit of 1. Solids content is also elevated at 0.890 and can indicate system fouling; associated with the level of oxidation observed. Low boiling vapor content is also elevated at 5.60%, indicating potential thermal degradation which can also contribute to the solids content.System needs to be cleaned and refilled with fresh fluid. Please contact Petro-Canada Lubricant's Technical Services to discuss further.

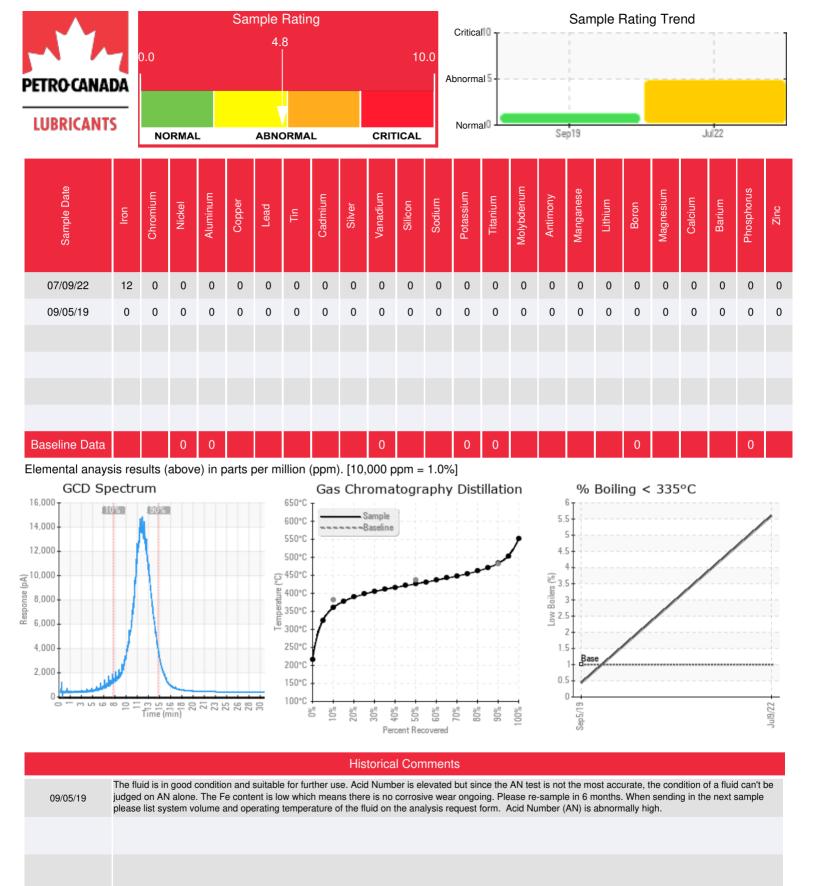
Comments: Pentane Insolubles levels are severely high. Acid Number (AN) is severely high.

E-Mail: quadra samples@quadra.ca

Make: PROPAK

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	%
07/09/22	07/25/22	3.0m		396 / 202	111.8	30.8	3.07	0.890	679 / 360	799 / 426	901 / 483	5.60
09/05/19	09/13/19	5.0m	LEVEL CONTROL PORT	460 / 238	0.00	36.0	0.397	0.049	721 / 383	792 / 422	884 / 473	0.44





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