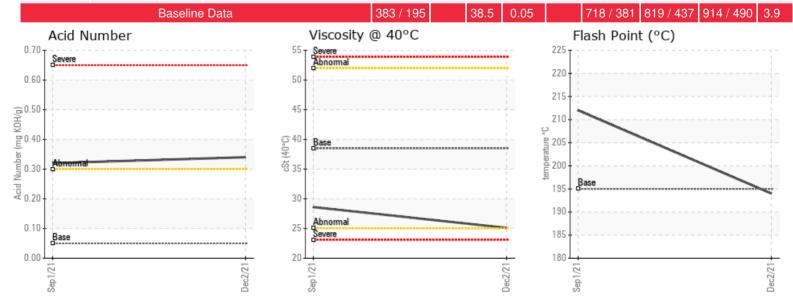
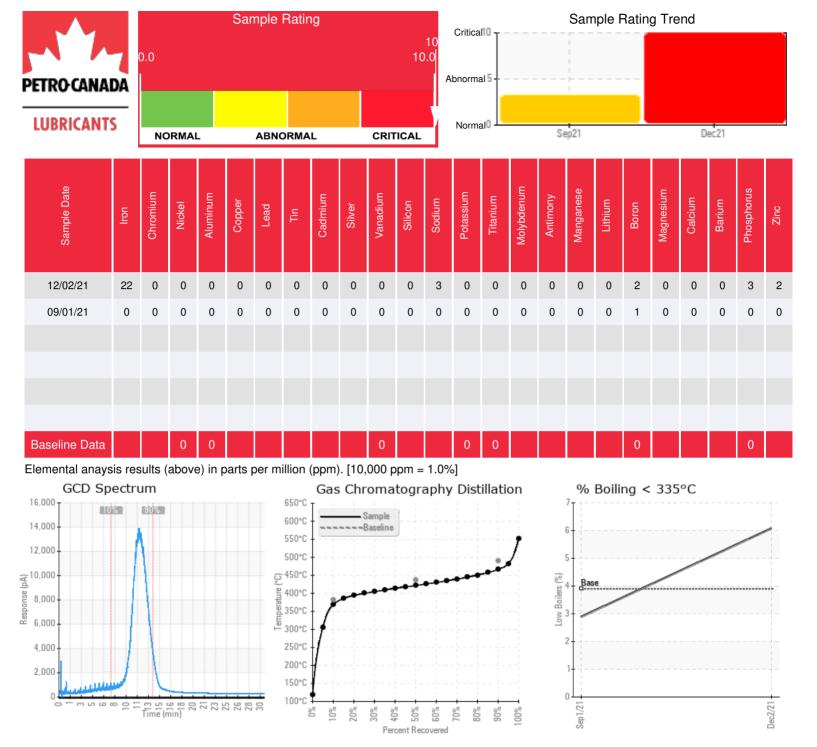


Recommendation: Not familiar with the chemistry of the Shell product. However, water level is extremely high and needs to be removed. SOurce of water ingress should be identified and rectified. Longer term I would expect the water to cause operational issues, acid increase, oxidation and corrosion within the system. Recommend an oil change, clean, flush and refill with CALFLO AF (most likely) but would discuss system conditions to best scope out product

Comments: ppm Water contamination levels are severely high. Water contamination levels are severely high. Water contamination levels are severely high.. Pentane Insolubles levels are severely high. (GCD) 90% Distillation Point is severely low. Acid Number (AN) is abnormally 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	%
12/02/21	12/21/21	48.0m		381 / 194	6654.4	25.1	0.34	0.594	696 / 369	791 / 422	872 / 466	6.08
09/01/21	10/06/21	36.0m		414 / 212	44.7	28.6	0.32	0.208	725 / 385	798 / 425	874 / 468	2.89





Historical Comments

09/01/21	Competitor Fluid so do not have full visibility of parameters. Acid number raises some concern as this will trigger the degradation of the fluid. (GCD) 90% Distillation Point is severely low. Acid Number (AN) is abnormally high.

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