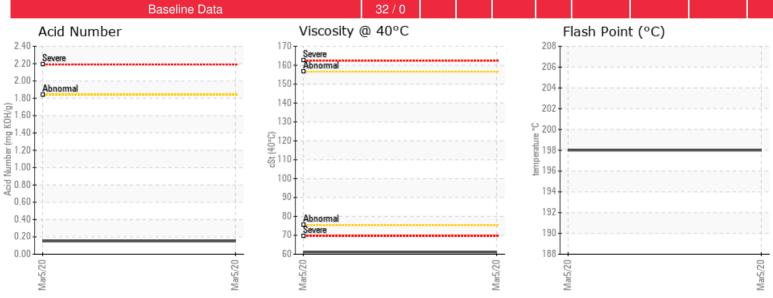
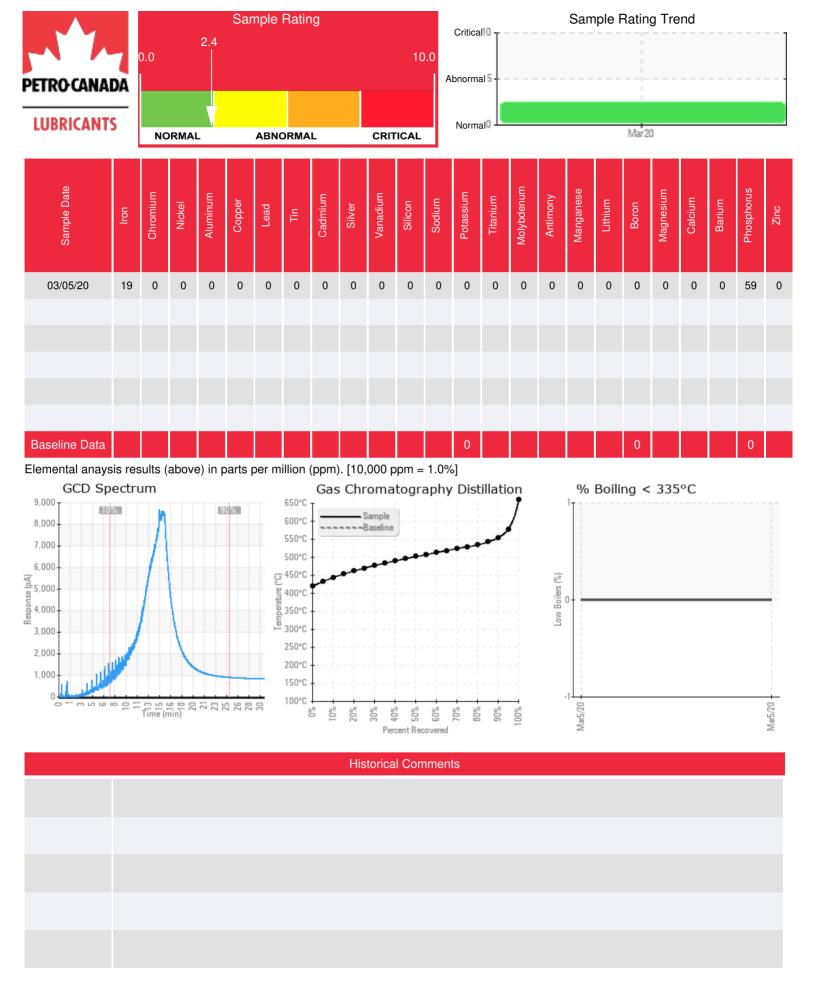


Recommendation: Sample results indicate that the fluid is likely suitable for continued service, but please consider that the analyzing lab did not have a reference sample for Duratherm HF. Please submit a new oil reference sample next time a sample is taken so that all parameters can be compared to new.Note that both the fluid's viscosity and flash point are lower than what Duratherm HF lists in its data sheet (104cSt @40C and 276C respectively; this sample: 61 cSt @40C and 198C). This could indicate a mixture of fluids or contamination. 10% and 90% GCD temperatures seem to indicate that oxidation and thermal degradation is either not ongoing or at least in balance to each other.Please resample in 6 months and include a new oil reference sample and please label it as such. Please thoroughly purge the sample valve and piping prior to obtaining samples and fill in all relevant sample registration information.

Comments: COC Flash Point is severely high. Visc @ 40°C is severely 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	%
03/05/20	03/16/20	5.5y	REBOILER RETURN	388 / 198	40.2	61.1	0.151	0.084	831 / 444	935 / 501	1029 / 554	0.00





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