

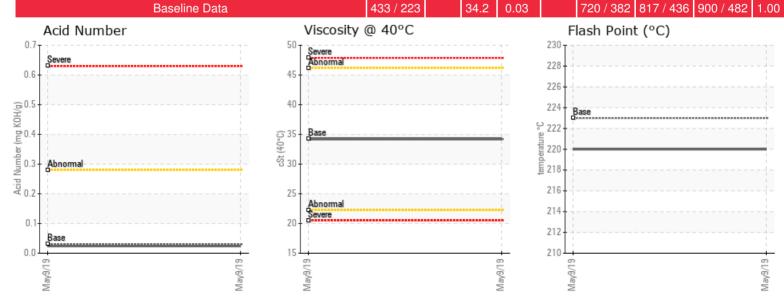
[11-26-78-17 W6M / Enbridge Dawson Creek] Hot Oil System

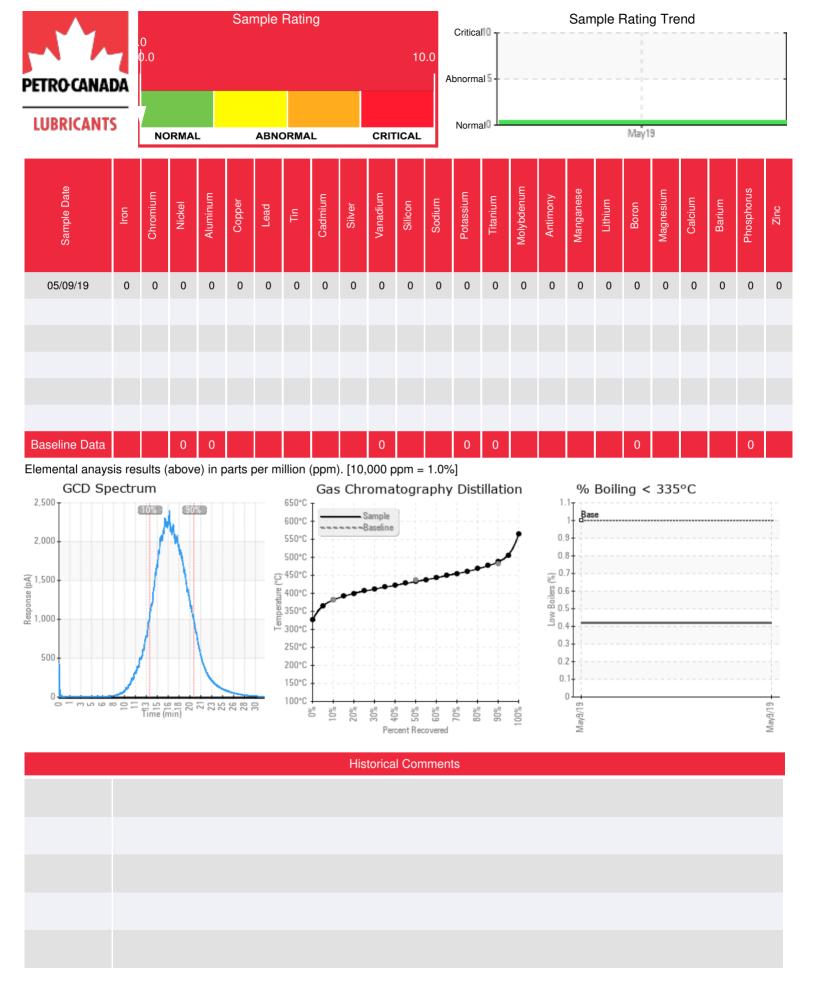
Customer: PTRHTF20039	System Information	Sample Information			
BRENNTAG CANADA INC	System Volume: 5000 ltr	Lab No: 02287110			
3124-54TH AVENUE SE	Bulk Operating Temp: 351F / 177C	Analyst: Clinton Buhler			
CALGARY, AB T2A 0A8 CANADA	Heating Source:	Sample Date: 05/09/19			
Attn: Toader Georgiana	Blanket:	Received Date: 05/24/19			
Tel:	Fluid: PETRO CANADA PETRO-THERM	Completed: 06/17/19			
E-Mail: gtoader@brenntag.ca	Make: Heatech				

Recommendation: sample results indicate that the fluid is suitable for continued service and after ~ 8 years of service, is in very good condition. At the time of analysis, the used fluid's Initial Boiling Point was ~ 327° C via GCD vs the typical new fluid value of ~ 316° C. Please note that this value will change as the fluid is exposed to thermal and oxidative degradation and contamination. Please re-sample in 12 months

Comments:

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	%
05/09/19	05/24/19	8y	SURGE TANK	428 / 220	0.00	34.2	0.024	0.052	718 / 381	810 / 432	908 / 487	0.42





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