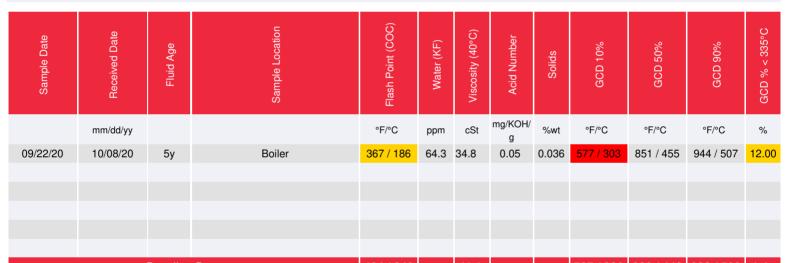


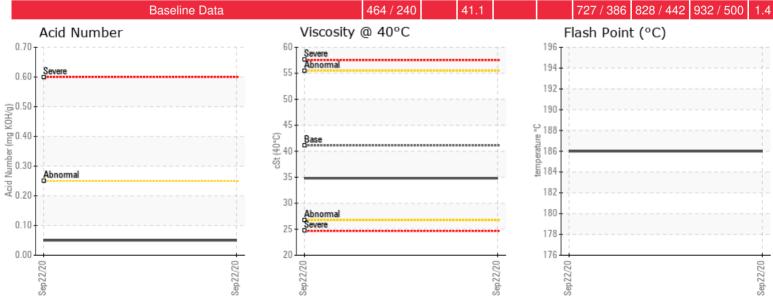
[14-32-37-3W5] BTG ENERGY

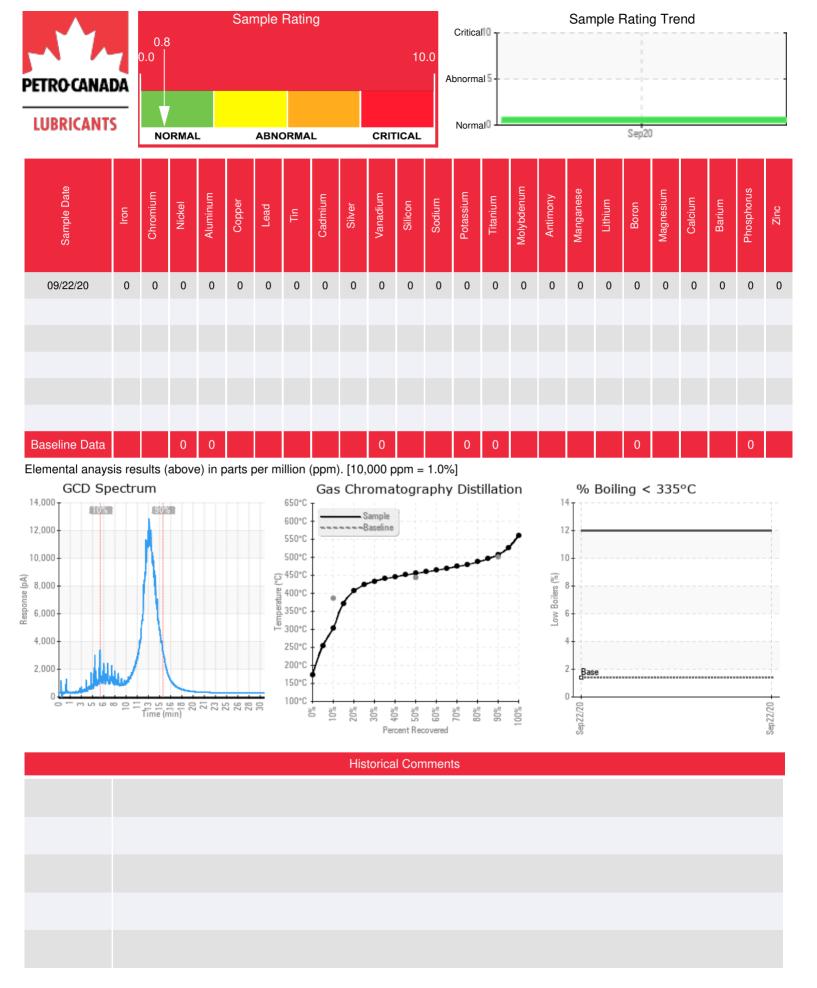
Customer: PTRHTF20243	System Information	Sample Information
CFR CHEMICALS	System Volume: 10000 ltr	Lab No: 02380381
38451 RRZZ	Bulk Operating Temp: 392F / 200C	Analyst: Kevin McDermott
RED DEER, AB T4E 2N6 Canada	Heating Source:	Sample Date: 09/22/20
Attn: Andrew Schacher	Blanket:	Received Date: 10/08/20
Tel: (780)982-8478	Fluid: CHEVRON HEAT TRANSFER OIL 46	Completed: 10/27/20
E-Mail: aschacher@cfrchemicals.com	Make:	Kevin McDermott
		kevin.mcdermott@petrocanadalsp.com

Recommendation: Fluid is generally in good condition, however there is an unusually high degree of low-boiler content and reduced viscosity as well as lower-than-normal flash point. These symptoms could be caused by thermal degradation (cracking) or possibly exchanger leaking hydrocarbon liquids into the fluid. These are concerning, but not yet severe. Suggest another sample in 3 months to see if conditions worsen.

Comments: (GCD) 10% Distillation Point is severely low. (GCD) % < 335°C is abnormally high. COC Flash Point is abnormally low.







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