



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

## Customer: PTRHTF20243

CFR CHEMICALS 38451 RRZZ

RED DEER, AB T4E 2N6 Canada

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## System Information

System Volume: 10000 ltr

Bulk Operating Temp: 392F / 200C

Heating Source:

Blanket:

Fluid: CHEVRON HEAT TRANSFER OIL 46

Make:

## Sample Information

Lab No: 02412595 Analyst: Kevin McDermott Sample Date: 03/24/21

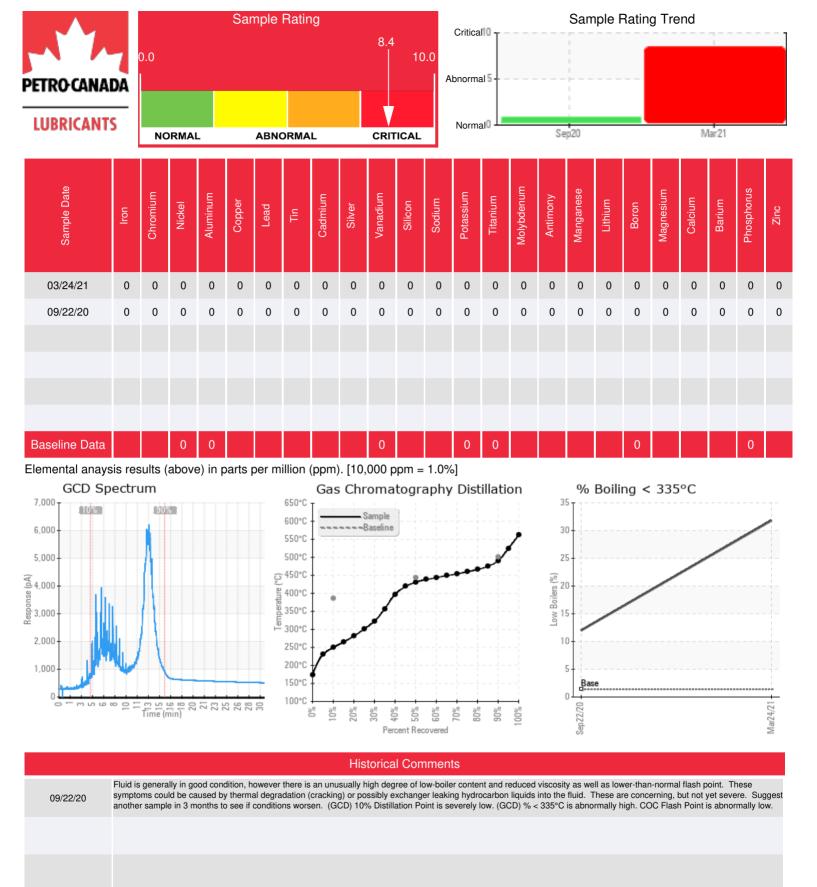
Received Date: 03/31/21 Completed: 04/09/21 Kevin McDermott

kevin.mcdermott@hollyfrontier.com

Recommendation: Conditions from previous sample in Sept have worsened significantly. The flash point is now much lower than the bulk fluid temp which is a safety concern. The low boiler content is very high which can be reduced somewhat by venting off the surge tank but eventually the fluid will need to be replaced. These symptoms are either from thermal cracking or a process exchanger leaking hydrocarbons into the fluid. Cannot fully diagnose without knowing more about the process.

Comments: (GCD) % < 335°C is severely high. (GCD) 10% Distillation Point is severely low. COC Flash Point is severely low. (GCD) 90% Distillation Point is marginally low.





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