[CIRCULATING PUMP DISCHARGE LINE] 5-02-76-12W6M H941 A/B

Customer: PTRHTF20204

ADVANTAGE OIL AND GAS

05-02-76-12W6M HYTHE, AB Canada Attn: Lorne Kingdon Tel: (780)552-3083

E-Mail: lkingdon@advantageog.com

System Information
System Volume: 110000 ltr

Bulk Operating Temp: 410F / 210C

Heating Source:

Blanket:

Fluid: PETRO CANADA PETRO-THERM

Make: PETROTECH

Sample Information

Lab No: 02387524 Analyst: Clinton Buhler Sample Date: 11/02/20 Received Date: 11/16/20 Completed: 11/23/20

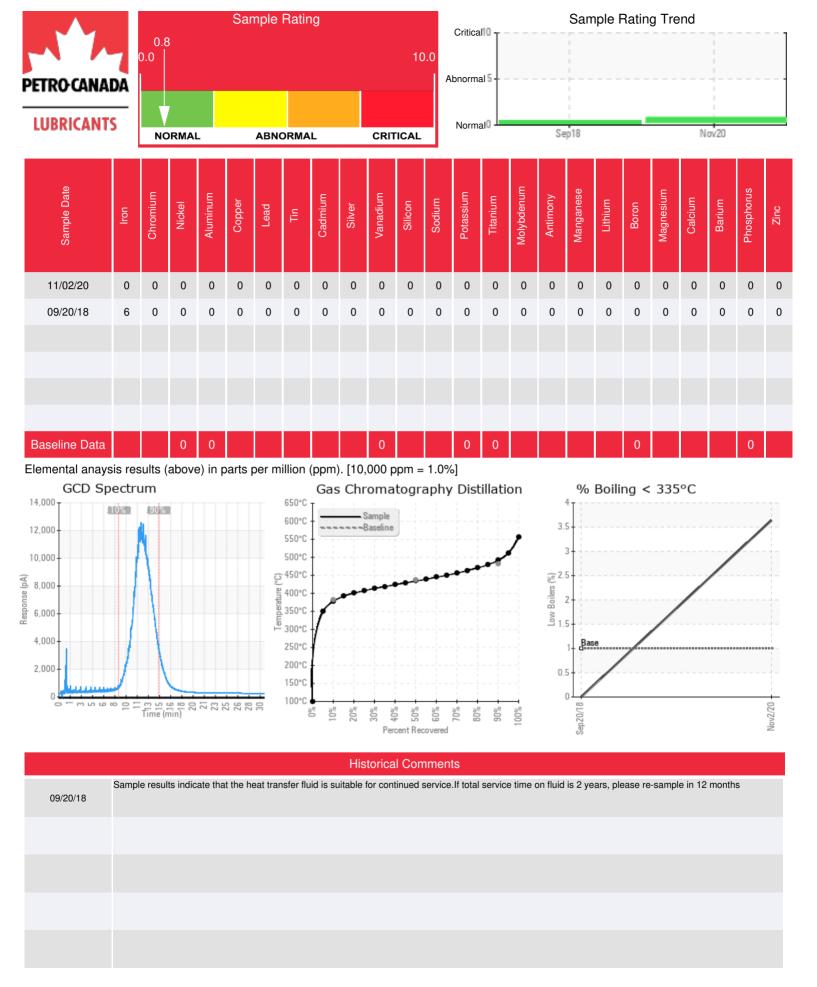
Clinton Buhler

Clinton.Buhler@hollyfrontier.com

Recommendation: Sample results indicate that the fluid is suitable for continued service. Reduced flash point and fluid viscosity and increased low boiling vapor content suggest that there is some thermal degradation ongoing. It is advised to regularly vent off low boiling vapors from the expansion tank to help bring these parameters back in line. Please re-sample in 12 months, after thorough venting.

Comments: COC Flash Point is marginally low.





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