

[STORM RESOURCES / C-39-D/94-H-3] H-4030

Customer: PTRHTF20182

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System Information

System Volume: 14000 ltr

Bulk Operating Temp: 284F / 140C

Heating Source:

Blanket:

Fluid: PETRO CANADA PETRO-THERM

Make: ALCO

Sample Information

Lab No: 02214441 Analyst: Clinton Buhler Sample Date: 05/06/18 Received Date: 05/07/18 Completed: 06/07/18

To discuss this report contact Clinton

Buhler at 780-516-9920

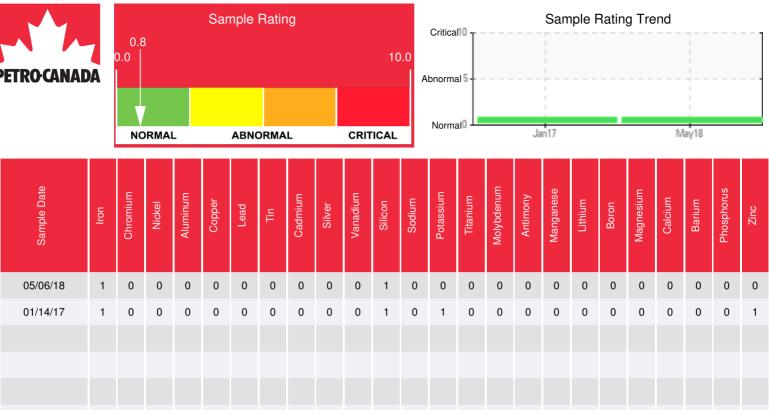
Recommendation: Sample results indicate that fluid is suitable for continued service. Please note the % boil-off below 335C: 2.82%. This can be an indication of thermal degradation while slightly increased 90% distillation value of 492C can be an indication of oxidation. As part of a robust thermal fluid maintenance program, perform regular venting of expansion tank to release the low boiling vapors. Ensure expansion tank blanket gas is operational after venting and set between 2-3 psi. Resample in 12 months.

Comments: (GCD) 90% Distillation Point is marginally high.

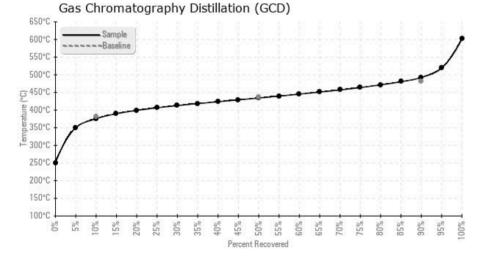


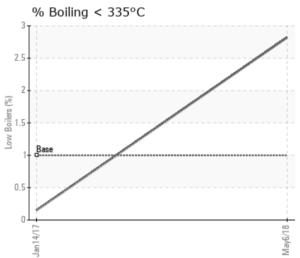


Baseline Data



Elemental analysis results (above) in parts per million (ppm). [10,000 ppm = 1.0%]





Historical Comments (GCD) 90% Distillation Point is marginally low. TAN, Flashpoint and Viscosity all are within limits. Continue to operate and resample in 6 months. (GCD) 90% Distillation Point is marginally low. 01/14/17

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