



HOT OIL HEATER ABQ-2

Customer: PTRHTF10213

HOLLY FRONTIER ASPHALT 4949 EDITH BLVD N.E. ALBUQUERQUE, NM 87107 USA

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System Information

System Volume: 650 gal

Bulk Operating Temp: 425F / 218C

Heating Source:

Blanket:

Fluid: MONSANTO THERMINOL 55 Make: INDUSTRIAL COMBUSTIO

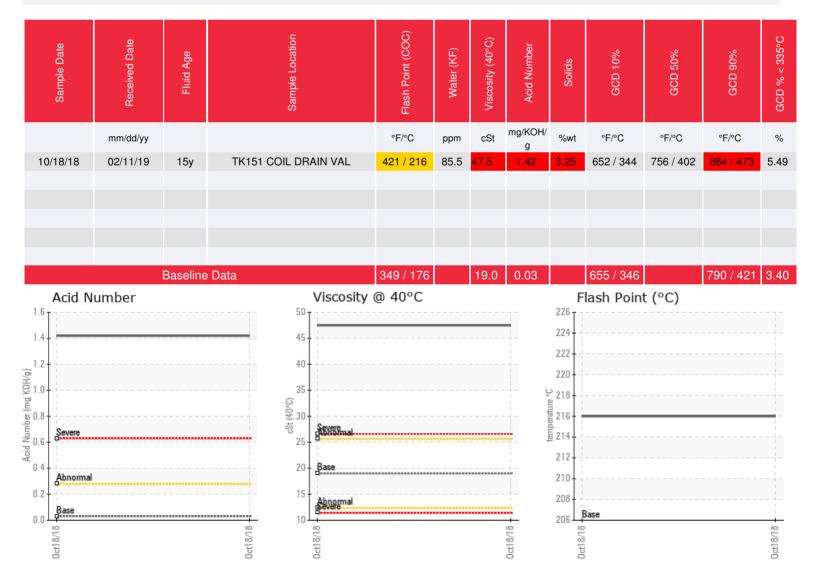
Sample Information

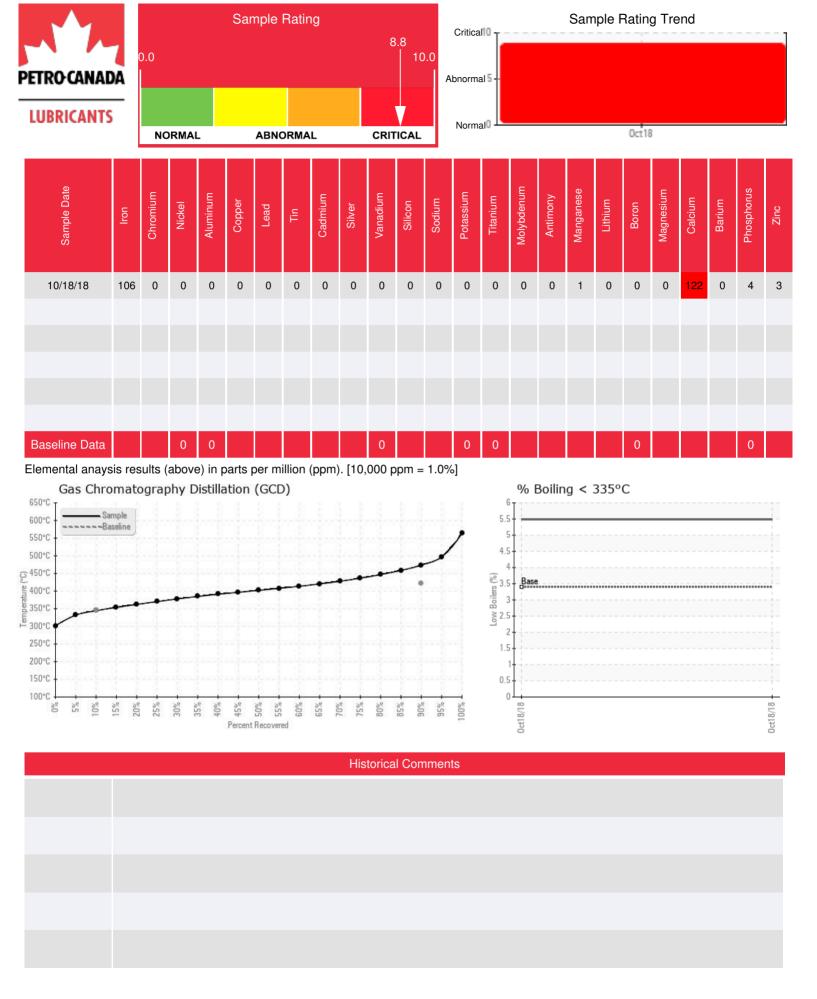
Lab No: 02267071

Analyst: Matthew Hoeffner Sample Date: 10/18/18 Received Date: 02/11/19 Completed: 02/26/19

Recommendation: Fluid acid numbers are very high as well as the pentane insolubles which both indicate a severely degraded fluid. The fluid also appears to have been topped off with different chemistry than the Therminol 55 believed to be present. To prevent issues with reliability and operations going forward planning should begin for cleaning the system and refilling with fresh fluid.

Comments: Pentane Insolubles levels are severely high. Acid Number (AN) is severely high. (GCD) 90% Distillation Point is severely high. Calcium ppm levels are severely high. Visc @ 40°C is severely high. COC Flash Point is abnormally high.





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