

## **HEAT TRANSFER**

## Customer: PTRHTF10190

HOLLY FRONTIER ASPHALT 7110 W. NORTHERN AVENUE GLENDALE, AZ 85303 USA

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## System Information

System Volume: 7200 gal

Bulk Operating Temp: 450F / 232C

Heating Source:

Blanket: Fluid: N/A

Make: ARIZONA BOILER

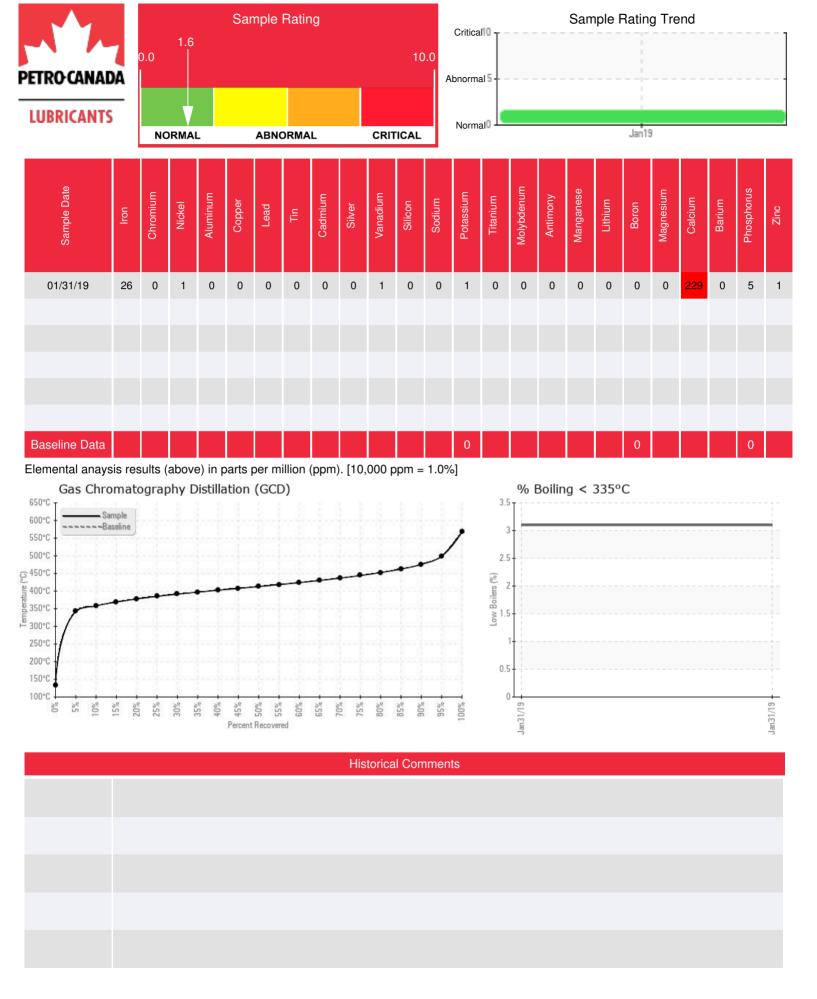
## Sample Information

Lab No: 02267989 Analyst: Steven Slanker Sample Date: 01/31/19 Received Date: 02/14/19 Completed: 02/19/19

Recommendation: Note, because of the levels of calcium and sulfur they thought this sample was Paratherm LC. The high calcium and sulfur levels show it still contains cleaner in it. Acid number and viscosity are high. All of these are a result of not flushing the fluid. Overall the fluid is in ok condition considering the quick changeout.

Comments: Calcium ppm levels are severely high. Visc @ 40°C is abnormally low.





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