

## FILLER HEATER

## Customer: PTRHTF10068

Certainteed - Saint Gobain 1077 PLEASANT ST NORWOOD, MA 02062 USA

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## **System Information**

System Volume: 2200 gal

Bulk Operating Temp: 550F / 288C

Heating Source:

Blanket:

Fluid: PETRO CANADA CALFLO AF Make: PERFORMANCE HEATING

## Sample Information

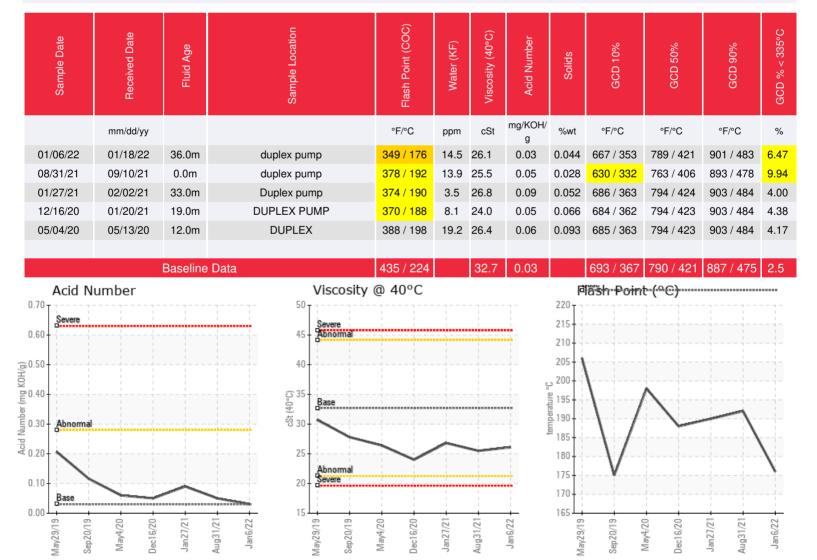
Lab No: 02466655 Analyst: Joe Goecke Sample Date: 01/06/22 Received Date: 01/18/22 Completed: 01/24/22

Joe Goecke

Joe.goecke@hollyfrontier.com

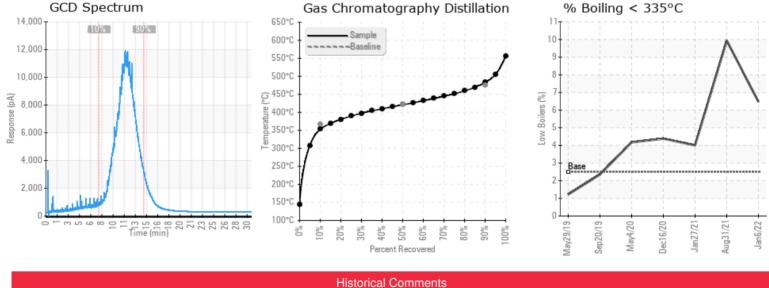
Recommendation: Flash point is trending lower at 176C. Viscosity is holding steady and light ends have dropped from previous sample but still over 5%. Oil is suitable for continued use and resample at next scheduled interval.

Comments: COC Flash Point is abnormally low.





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



Historical Comments	
08/31/21	low boilers approaching 10%. Consider venting system to reduce impact on viscosity and flashpoint. resample at scheduled interval. (GCD) % < 335°C is marginally high. (GCD) 10% Distillation Point is marginally low. COC Flash Point is marginally low.
01/27/21	The sample results for the Filler Heater have shown slight improvements with Flash point from 188 to 190. Low boilers GCD 10% 363.4 have shown a slight increase whereas GCD 90% 483.7 have decrease slightly. Acid number has also increased from .05 to .09. Continue to monitor at planned intervals. COC Flash Point is marginally low.
12/16/20	This new Higher Temp system continues to effect HTF condition. We are noticing that the viscosity has dropped to 24.0 cSt @ 40C as well as COC Flash point which has dropped to 188. We recommend Venting (boil-off), as soon as possible. We would also recommend venting more frequently and adding fresh (make-up) fluid more frequently to assist with fluid condition. There is no asphalt contamination reported at this time. COC Flash Point is marginally low.
05/04/20	The sample results for the Filler Heater have shown slight improvements with Flash point from 175 to 198. Low boilers GCD 10% 362.9 as well as GCD 90% 483.8 have decrease slightly. Acid number has also decrease from .116 to .06. Continue to monitor at planned intervals.

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