

## **LINE 1 FILLER HEATER SYSTEM**

## Customer: PTRHTF10069

CERTAINTEED - SAINT GOBAIN 3303 EAST 4TH AVENUE SHAKOPEE, MN 55379 USA

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System Information
System Volume: 5670 gal

Bulk Operating Temp: 428F / 220C

Heating Source:

Blanket:

Fluid: PETRO CANADA CALFLO AF

Make:

Sample Information

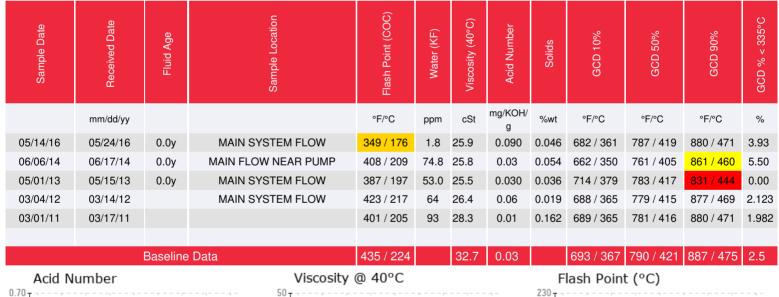
Lab No: 02073862 Analyst: Neil Buchanan Sample Date: 05/14/16 Received Date: 05/24/16 Completed: 05/27/16

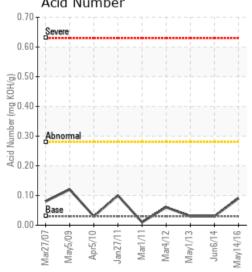
Neil Buchanan

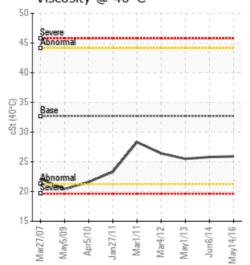
neil.buchanan@hollyfrontier.com

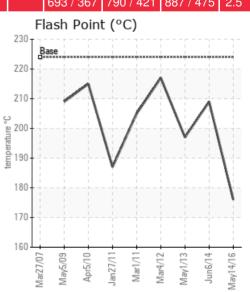
Recommendation: COC Flash Point is abnormally low. Some low boiler formation is evident in the GCD. Other properties look good. Resample next interval to monitor.

Comments: COC Flash Point is abnormally low.

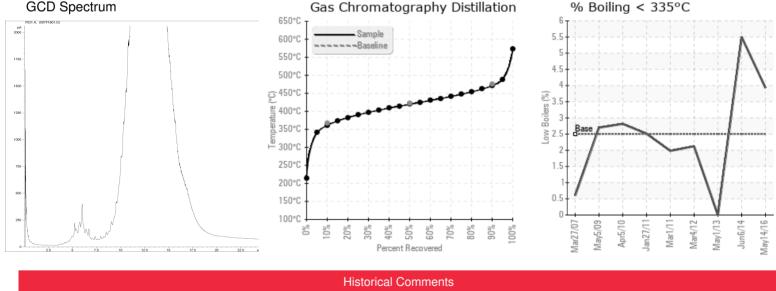












Historical Comments	
06/06/14	Results appear normal sine the last sample and we do not see any concerning trend. Re-sample same time next year. (GCD) 90% Distillation Point is marginally low.
05/01/13	Fluid is in good condition and suitable for further use. Please continue to sample the system at the regular interval (9-12 months). The computer continues to flag some of the properties as it compares the oil against the Calflo AF reference in the database. (GCD) 90% Distillation Point is severely low.
03/04/12	The reason why some data is flagged and color coded this time and it did not in the past is because the lab previously compared results against Mobiltherm, while now they probably changed it to Calflo AF based on what was indicated on the paperwork. The oil condition looks excellent at this time. We will remind you when the next round of sampling is due.
03/01/11	The iron content is slightly high but I would not recommend any major action based on this result alone. Other properties look good. Based on this phosphorous content (additives), we estimate the system contains about 50% Calflo AF. Re-sample at next normal interval.

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