

LINE 1 FILLER HEATER SYSTEM

Customer: PTRHTF10069

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

Attn: Patrick Wallace

Tel:

E-Mail: patrick.wallace@saint-

gobain.com

System Information
System Volume: 5670 gal

Bulk Operating Temp: 428F / 220C

Heating Source:

Blanket:

Fluid: PETRO CANADA CALFLO AF

Make:

Sample Information

Lab No: 02244126

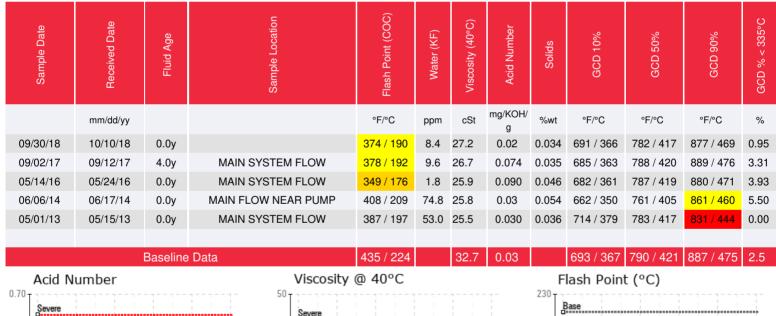
Analyst: Gaston Arseneault Sample Date: 09/30/18 Received Date: 10/10/18 Completed: 10/23/18

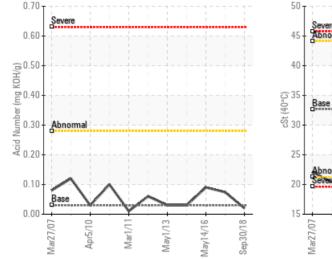
Gaston Arseneault

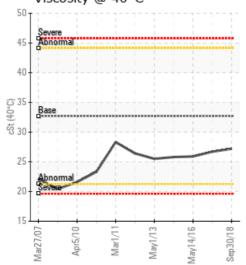
gaston.arseneault@hollyfrontier.com

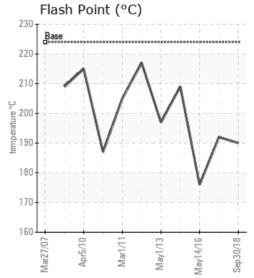
Recommendation: The flash point is a bit low because of the reduced viscosity but it remains stable from year to year. Resample at next scheduled interval. No trace of contamination by asphalt or the elements or fluid degradation.

Comments: COC Flash Point is marginally low.



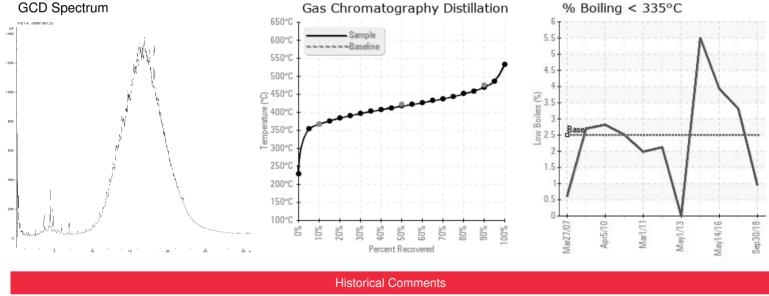








Elemental analysis results (above) in parts per million (ppm). [10,000 ppm = 1.0%]



Historical Comments	
09/02/17	The oil condition is consistent with previous samples. The viscosity remains a little bit low. No immediate action is required at this time but you can vent the low boilers out and replace the lost volume with fresh oil as preventative measure. Re-sample at next normal interval. COC Flash Point is marginally low.
05/14/16	COC Flash Point is abnormally low. Some low boiler formation is evident in the GCD. Other properties look good. Resample next interval to monitor. COC Flash Point is abnormally low.
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.

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