

FILLER HEATER

Customer: PTRHTF10068

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

Attn: Robert Jaruse

Tel:

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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

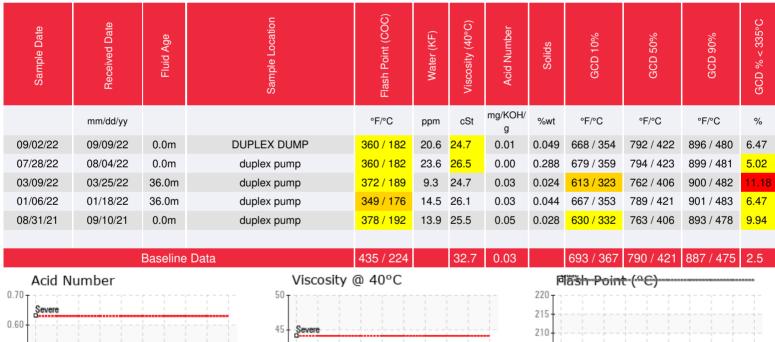
Lab No: 02509933

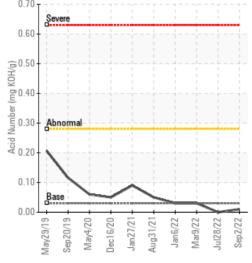
Analyst: Gregory Fernandez Sample Date: 09/02/22 Received Date: 09/09/22 Completed: 09/26/22 Gregory Fernandez

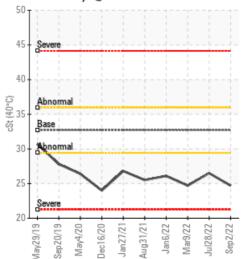
gregory.fernandez@hfsinclair.com

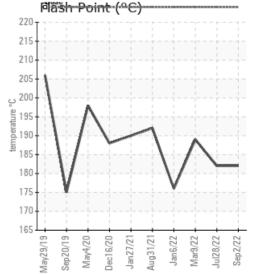
Recommendation: The results from laboratory testing for this sample indicate that the sample is in generally good condition and suitable for continued service. Acid Number and GCD results are good, whereas Viscosity and Flash are slightly low, but certainly acceptable for continued use. Recommend to resample at next regular sample testing interval.

Comments: COC Flash Point is marginally low. Viscosity also slightly low for this ISO grade fluid.



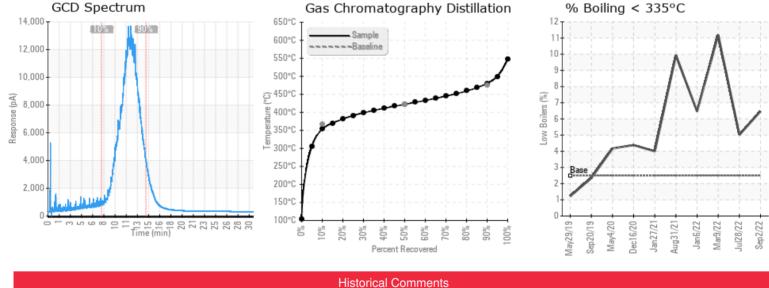








Elemental analysis results (above) in parts per million (ppm). [10,000 ppm = 1.0%]



Historical Comments	
07/28/22	Overall sample condition looks good and appears to have some improvement over the previous sample. Low boilers have dropped per GCD %<335C and perhaps indicate that the system has been vented since the previous sample. Pentane Insolubles have also increased significantly since the last sample. This could be related to a maintenance event, perhaps venting of the system. Continue operating the system as normal until the next sample interval. Visc @ 40°C is abnormally low. COC Flash Point is marginally low.
03/09/22	While the flash point remains consistent there is rise in low boilers above 10% and the viscosity has dropped to a 22 grade. I recommend planning to vent the system soon to improve these conditions. (GCD) 10% Distillation Point is abnormally low. (GCD) % < 335°C is marginally high. COC Flash Point is marginally low.
01/06/22	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. COC Flash Point is abnormally low.
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.

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