

## LINE 3 HOT OIL SYSTEM

## Customer: PTRHTF10069

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

Attn: Alex Hanley

Tel:

E-Mail: Alex.J.Hanley@saint-gobain.com

## System Information

System Volume: 9450 gal

Bulk Operating Temp: 474F / 246C

Heating Source:

Blanket:

Fluid: PETRO CANADA CALFLO AF

Make:

## Sample Information

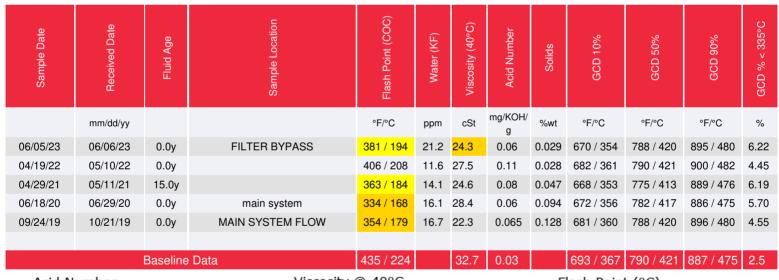
Lab No: 02562403 Analyst: Neil Buchanan Sample Date: 06/05/23 Received Date: 06/06/23 Completed: 06/08/23

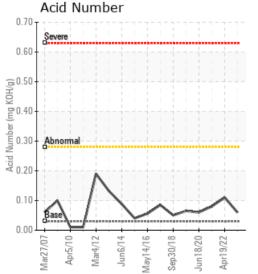
Neil Buchanan

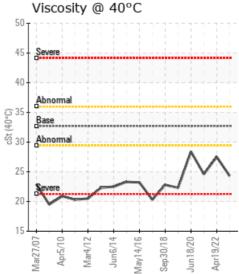
neil.buchanan@HFSinclair.com

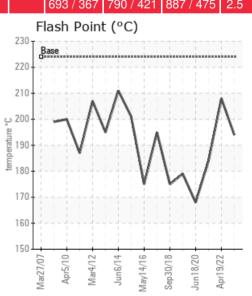
Recommendation: Visc @ 40°C is abnormally low. COC Flash Point is marginally low. Resample next interval.

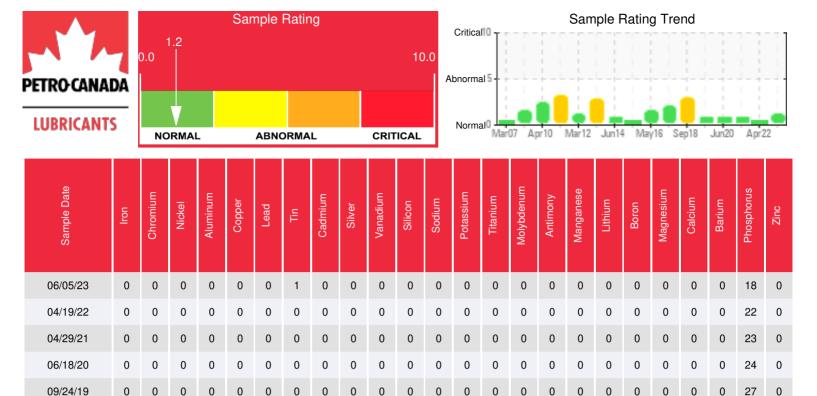
Comments: Visc @ 40°C is abnormally low. COC Flash Point is marginally low.







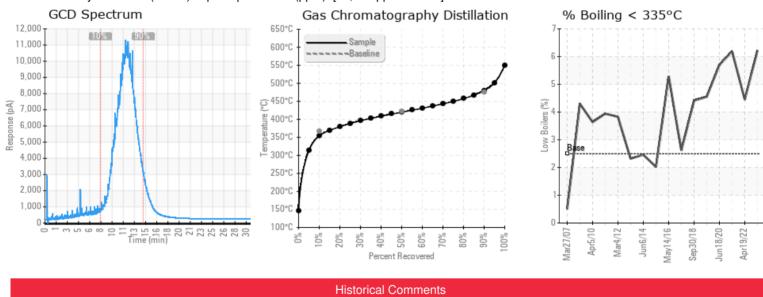




Elemental analysis results (above) in parts per million (ppm). [10,000 ppm = 1.0%]

0

Baseline Data



Historical Comments	
04/19/22	Sample looks good. Resample next interval to monitor.
04/29/21	Sample results look good but flash point is marginally low. Resample next interval to monitor. COC Flash Point is marginally low.
06/18/20	Sample remains dry, free of contamination with a stable Acid Number. The trend of decreasing COC Flash Point and lower Initial Boiling Point and examination of the GCD graph suggests the continued formation of low boilers from thermal degradation. Continue venting to remove and resample next interval. COC Flash Point is abnormally low.
09/24/19	The oil is holding steady, although some properties like viscosity and flash point are flagged. This is likely due to the presence of Therminol 55 in this system when the computer compares to Calflo AF. Contamination by asphalt, water or other elements is insignificant or non-detectable. No actions needed at this time. Re-sample at next scheduled interval COC Flash Point is abnormally low.

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