

## **MAIN SYSTEM**

## Customer: PTRHTF10067

CERTAINTEED - SAINT GOBAIN 620 AERO DRIVE

SHREVEPORT, LA 71107 US

Attn: Richard Howe Tel: (318)470-4769

E-Mail: richard.howe@saint-gobain.com

## System Information

System Volume: 1350 gal

Bulk Operating Temp: 450F / 232C

Heating Source:

Blanket:

Fluid: PETRO CANADA CALFLO AF

Make:

## Sample Information

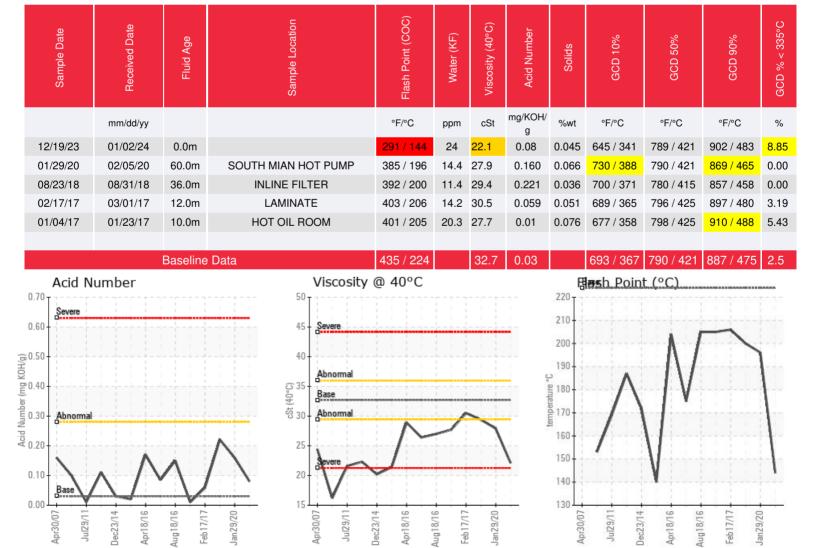
Lab No: 02606135 Analyst: Jake Finn Sample Date: 12/19/23 Received Date: 01/02/24 Completed: 01/05/24

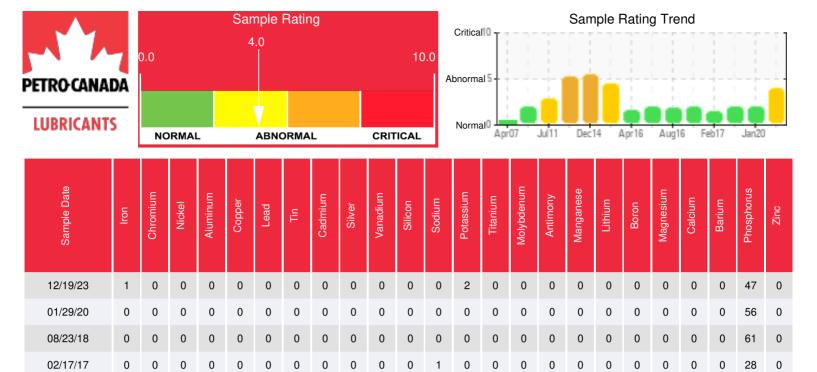
Jake Finn

jake.finn@HFSinclair.com

Recommendation: Sample has a low flash point, low viscosity @ 40C and GCD% < 335C is high. This indicates that there may be low boilers in the system, which can build up over time of regular use. To remove these 'low boilers', the system can be vented when it is safe to do so. Aside from this, there appears to be no signs of component wear or contamination within the sample. Please resubmit for testing in 12 months.

Comments: COC Flash Point is severely low. Visc @ 40°C is abnormally low. (GCD) % < 335°C is marginally high.

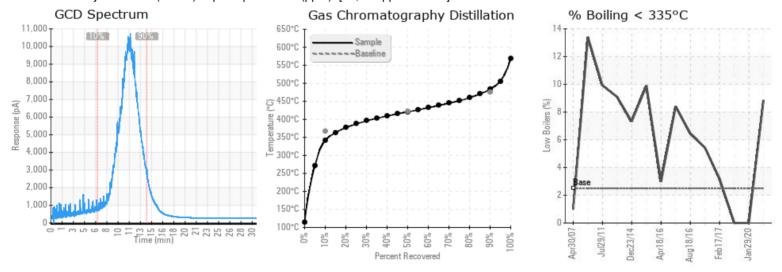




Elemental analysis results (above) in parts per million (ppm). [10,000 ppm = 1.0%]

01/04/17

Baseline Data



Historical Comments	
01/29/20	Results appear normal and no action required at this time. No indication of asphalt leak. Re-sample at next scheduled interval.
08/23/18	The oil condition remains similar since the last sample. Try to sample consistently every year. (GCD) 90% Distillation Point is abnormally low.
02/17/17	Everything looks good, the oil color lightened significantly and results overall improved, as if an oil addition was performed. No action required at this time. Resample at next scheduled interval.
01/04/17	The oil appears to be in excellent condition based on the results. Strong flash point, minimum contamination from water and no asphalt detected through the results, strong oxidation resistance (Acid Number like new oil). Re-sample at next scheduled interval. (GCD) 90% Distillation Point is marginally high.

Petro-Canada makes no representation or warranty of any kind, either express or implied, as to the accuracy or completeness of the analysis and assumes no responsibility and shall have no liability whatsoever with respect to such analysis, or a party's use of it. Petro-Canada is a division of HollyFrontier Corporation.