





HOT OIL HEATER #3

Customer: PTRHTF10070

CERTAINTEED - SAINT GOBAIN 6350 NW FRONT AVE PORTLAND, OR 97210 USA

Attn: Dale Lembke Tel: (503)208-0063

E-Mail: dale.lembke@saint-gobain.com

System Information

System Volume: 1200 gal

Bulk Operating Temp: 525F / 274C

Heating Source:

Blanket:

Fluid: PETRO CANADA CALFLO AF

Make:

Sample Information

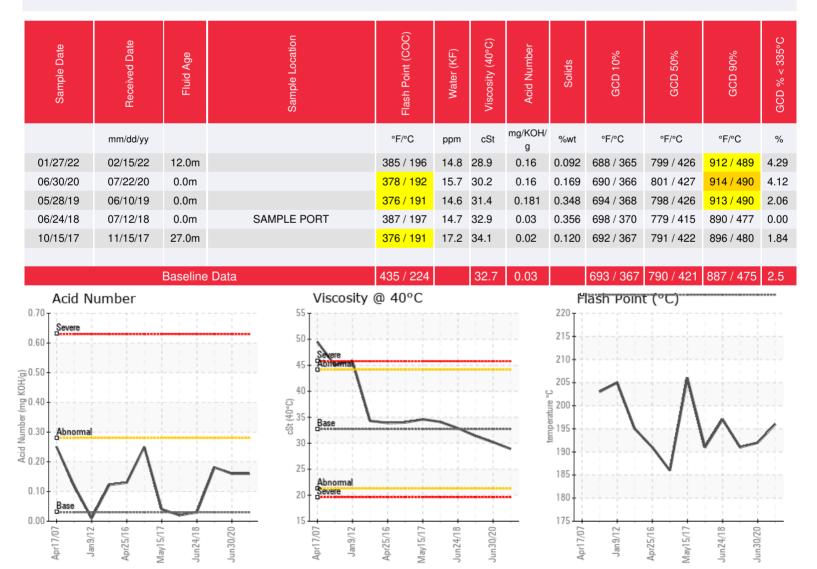
Lab No: 02472200 Analyst: Ron LeBlanc Sample Date: 01/27/22 Received Date: 02/15/22 Completed: 02/25/22

Ron LeBlanc

Ronald. LeB lanc Sr@holly frontier.com

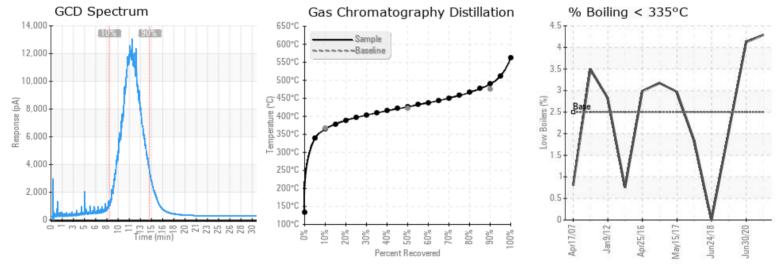
Recommendation: This indicates components boiling above the final boiling point of the fresh fluid which can lead to deposits in the heat exchanger.

Comments: (GCD) 90% Distillation Point is marginally high.





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



Historical Comments	
06/30/20	Virtually no change to the oil since the last sample. Flash point remains strong, no moisture or asphalt contamination. No action needed at this time. Keep up the sampling program and normal PMs around the system components. (GCD) 90% Distillation Point is abnormally high. COC Flash Point is marginally low.
05/28/19	The oil condition is fine. The acid number has risen a bit to 0.18 but it's still low. Normally this means the fluid is starting to oxidize. Just make sure the nitrogen blanket system on the expansion tank is operating well, because this is what prevents the oil from touching oxygen and oxidizing. (GCD) 90% Distillation Point is marginally high. COC Flash Point is marginally low.
06/24/18	Sample appears normal. Re-sample at regular interval.
10/15/17	The sample looks normal and in good condition. No actions needed at this time except normal monitoring and sampling. COC Flash Point is marginally low.

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