



HOT OIL HEATER #3

Customer: PTRHTF10070

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

Attn: John Hardy

Tel:

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System Information

System Volume: 1200 gal

Bulk Operating Temp: 525F / 274C

Heating Source:

Blanket:

Fluid: PETRO CANADA CALFLO AF

Make:

Sample Information

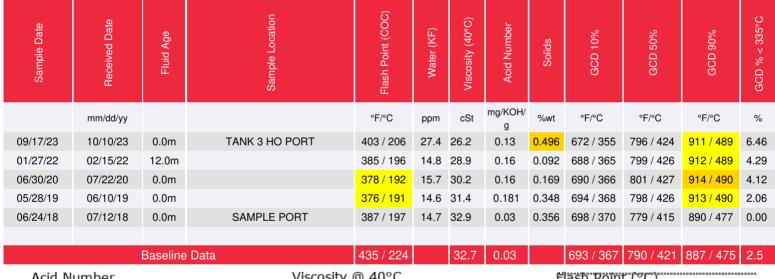
Lab No: 02588039 Analyst: Ron LeBlanc Sample Date: 09/17/23 Received Date: 10/10/23 Completed: 10/17/23

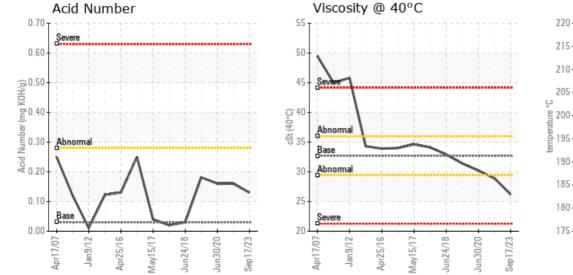
Ron LeBlanc

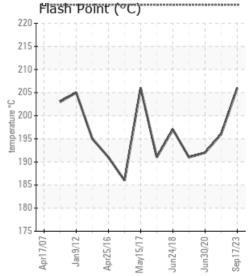
Ronald.LeBlancSr@HFSinclair.com

Recommendation: The sample appears good overall. The pentane insolubles are elevated indicating possible varnish/sludge forming. The GCD 90% distillation is elevated indicating varnish/sludge potential. The GCD 90% distillation has been elevated over the previous 3 samples as well. Re-sample in 3 months. Be sure to purge oil before capturing sample in container.

Comments: Pentane Insolubles levels are abnormal. (GCD) 90% Distillation Point is marginally high.

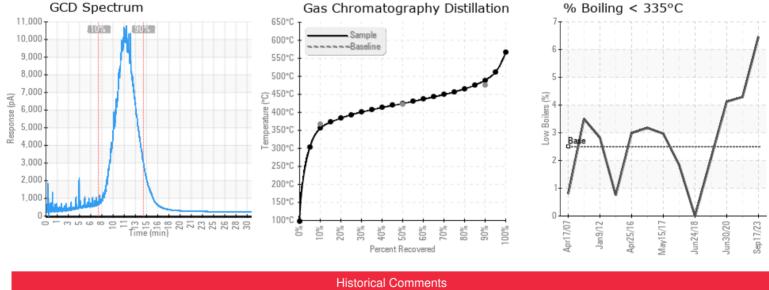








Elemental analysis results (above) in parts per million (ppm). [10,000 ppm = 1.0%]



This indicates components boiling above the final boiling point of the fresh fluid which can lead to deposits in the heat exchanger. (GCD) 90% Distillation Point is marginally high. 01/27/22 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. 06/30/20 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 05/28/19 marginally high. COC Flash Point is marginally low. Sample appears normal. Re-sample at regular interval. 06/24/18

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