





HOT OIL HEATER #3

Customer: PTRHTF10070

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

Attn: Larry Larson

Tel:

E-Mail: Larry.S.Larson@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

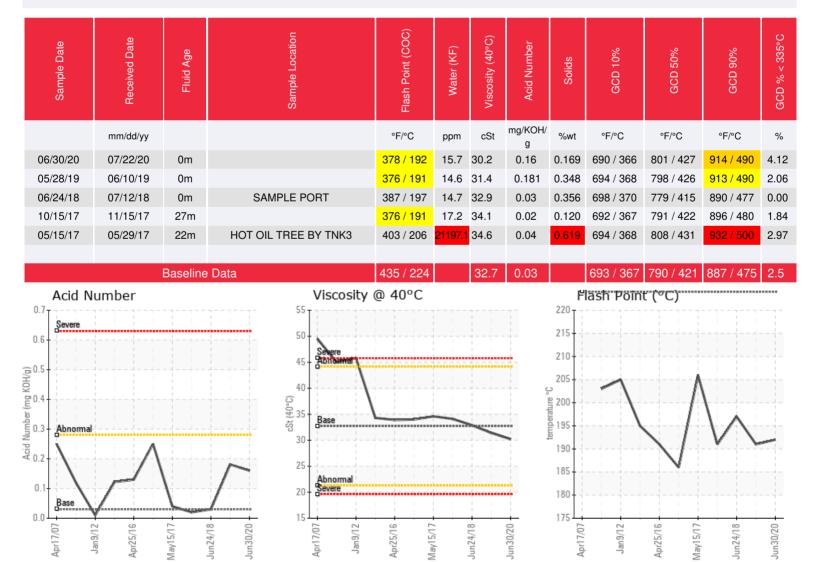
Lab No: 02366166 Analyst: Ron LeBlanc Sample Date: 06/30/20 Received Date: 07/22/20 Completed: 07/27/20

Ron LeBlanc

Ronald.LeBlancSr@petrocanadalsp.com

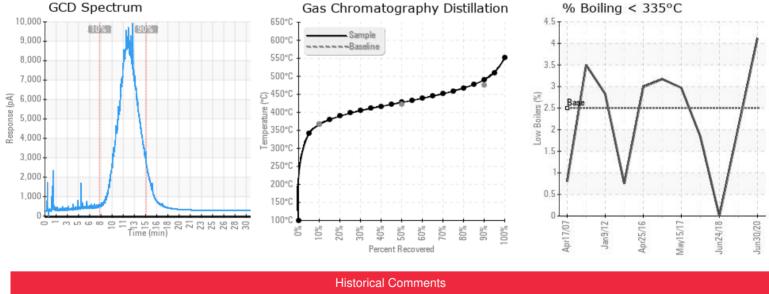
Recommendation: Virtually no change to the oil since the last sample. Flash point remains strong, no moisture or asphalt contamination. No action needed at this time. Keep up the sampling program and normal PMs around the system components.

Comments: (GCD) 90% Distillation Point is abnormally high. COC Flash Point is marginally low.





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



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.

Sample appears normal. Re-sample at regular interval.

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.

There is over 2% water in the sample and a high amount of solids. Everything else looks fine. We recommend to submit another sample just to make sure this is just an anomaly caused by not letting enough oil flow through the pipe and valve before collecting a representative sample. Water contamination levels are severely high. Pentane Insolubles levels are severely high. (GCD) 90% Distillation Point is severely high.

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