

HEAT TRANSFER SYSTEM

Customer: PTRHTF10019

LAKESIDE INDUSTRIES-PLANT 110 PLANT 110 - 4850 NW FRONT AVE PORTLAND, OR 97210 US

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System Information

System Volume: 409 gal

Bulk Operating Temp: 360F / 182C

Heating Source:

Blanket:

Fluid: PETRO CANADA PETRO-THERM

Make: HYWAY HEAT GENCOR

Sample Information

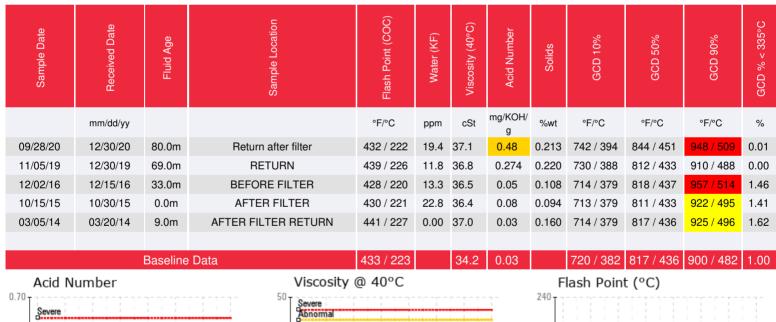
Lab No: 02395264 Analyst: Ron LeBlanc Sample Date: 09/28/20 Received Date: 12/30/20 Completed: 01/05/21

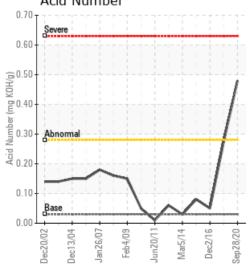
Ron LeBlanc

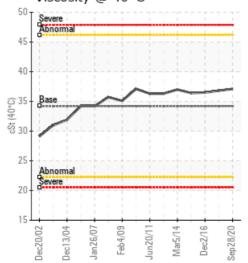
Ronald.LeBlancSr@HFSinclair.com

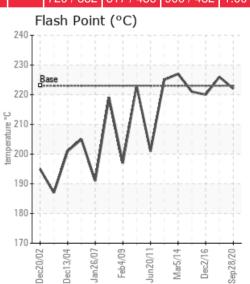
Recommendation: Acid Number (AN) is elevated indicating oxidized fluid. Viscosity is elevated due to thickening over time. (GCD) 90% Distillation Point is severely high most likely due to AN being elevated. Adding some new oil could possibly improve the typicals. Resample in 3 months.

Comments: (GCD) 90% Distillation Point is severely high. Acid Number (AN) is abnormally high.











0

0

0

n

n

0

0

0

0

0

0

0

3

0

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

0

0

0

0

0

n

0

0

0

90% Distillation Point is marginally high.

fluid condition.

03/05/14

Baseline Data

11/05/19

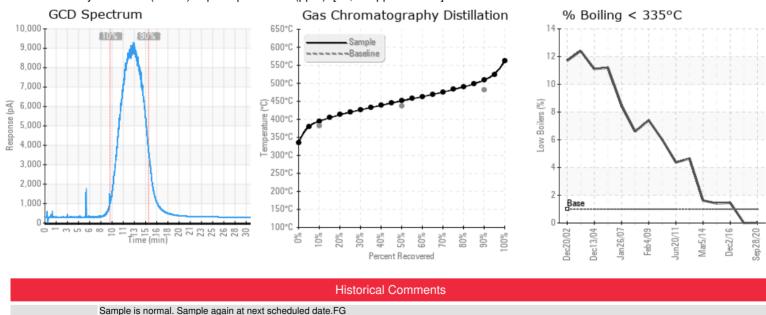
12/02/16

10/15/15

03/05/14

0

0



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The 90% distillation point has remained consistent over the last 4 samples. TAN has increased slightly over the last 4 samples. Resample in 6 months. (GCD)

The oil condition appears to be similar to what it was in Feb 2012. Test results indicate the oil is in good condition and safe to use. Sample yearly to monitor the

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