

## **HEAT TRANSFER SYSTEM**

## Customer: PTRHTF10019

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

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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: 02329287 Analyst: Ron LeBlanc Sample Date: 11/05/19 Received Date: 12/30/19 Completed: 01/13/20

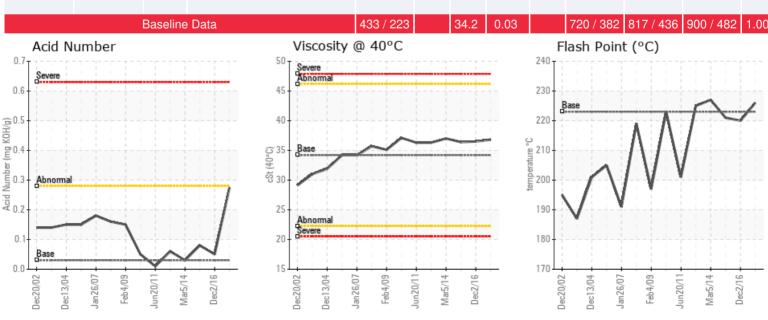
Ron LeBlanc

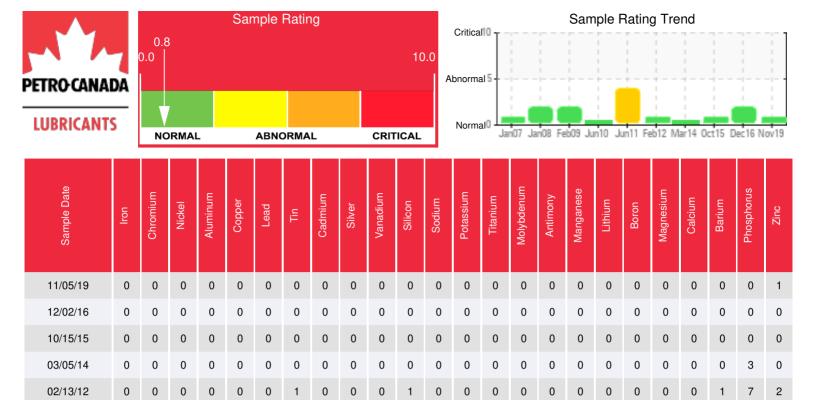
Ronald.LeBlancSr@petrocanadalsp.com

Recommendation: Sample is normal. Sample again at next scheduled date.

Comments: FG



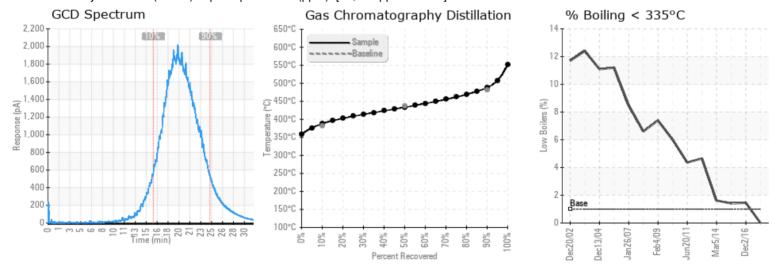




Elemental analysis results (above) in parts per million (ppm). [10,000 ppm = 1.0%]

0

**Baseline Data** 



Historical Comments	
12/02/16	(GCD) 90% Distillation Point is severely high. (GCD) 90% Distillation Point is severely high.
10/15/15	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) 90% Distillation Point is marginally high.
03/05/14	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 fluid condition.
02/13/12	The oil condition is virtually unchanged since the last sample. TAN is low, flash point is strong, viscosity is normal, no evidence of thermal degradation. Resample in 9 months or so to keep monitoring the fluid condition.

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