

HOT OIL

Customer: PTRHTF10002

EVONIK 3305 26th ST

LOS ANGELES, CA USA

Attn: Prakash Mehta Tel: (818)709-0492

E-Mail: purelubricants@earthlink.net

System Information

System Volume: 1500 gal

Bulk Operating Temp: 600F / 316C

Heating Source:

Blanket:

Fluid: PETRO CANADA CALFLO HTF

Make:

Sample Information

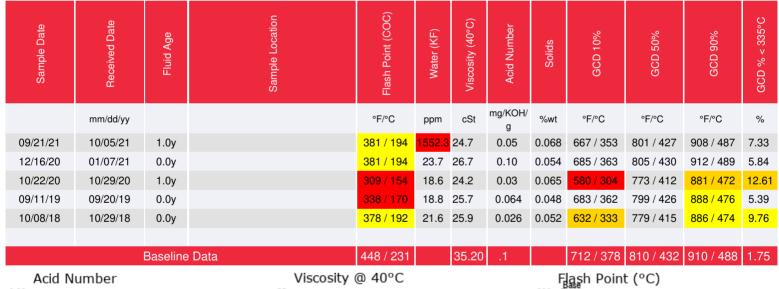
Lab No: 02448276 Analyst: Ron LeBlanc Sample Date: 09/21/21 Received Date: 10/05/21 Completed: 10/15/21

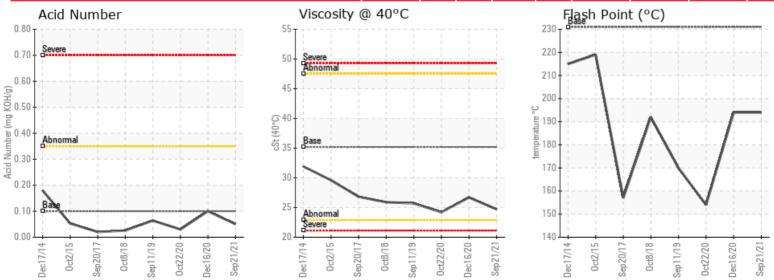
Ron LeBlanc

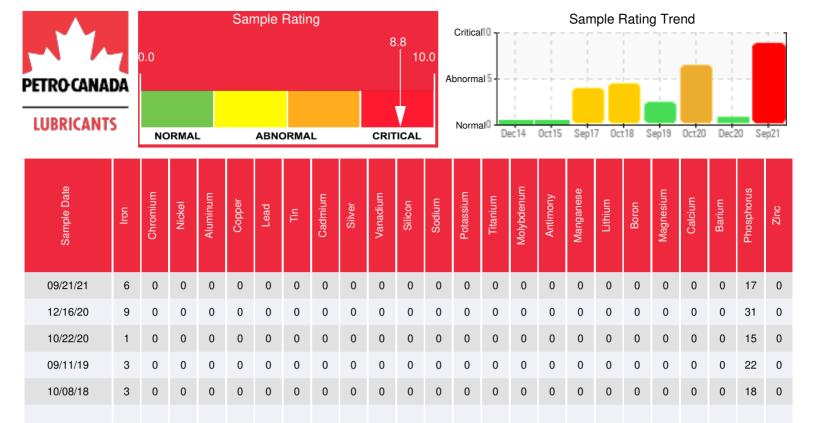
Ronald.LeBlancSr@hollyfrontier.com

Recommendation: The water is Extremely high in the sample. The COC Flash point is low although it has come up in the last two samples. The sample appears normal other than the two items listed.

Comments: ppm Water contamination levels are severely high. Water contamination levels are severely high. COC Flash Point is marginally low.



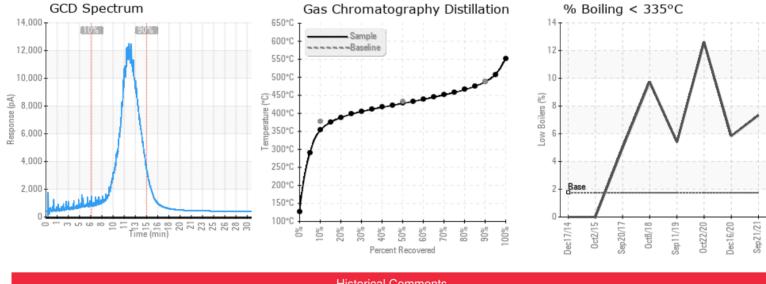




Elemental analysis results (above) in parts per million (ppm). [10,000 ppm = 1.0%]

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Baseline Data



Historical Comments	
12/16/20	COC Flash Point is marginally low. Recommend venting off low boilers.
10/22/20	Distillation and flash points very low. Carefully vent off the low boilers and resample. (GCD) 10% Distillation Point is severely low. COC Flash Point is severely low. (GCD) % < 335°C is abnormally high. (GCD) 90% Distillation Point is abnormally low.
09/11/19	The flash point is severely low. Vent the volatile components off to raise the COC flash point. Check the heater and determine if it is overheating the heat transfer fluid during the heating cycle. COC Flash Point is severely low. (GCD) 90% Distillation Point is marginally low.
10/08/18	High level of low boilers. Need to vent system and remove these before they become a major hazard. Review heater settings and determine if overheating is taking place during startups and heating cycles. (GCD) 10% Distillation Point is abnormally low. (GCD) % < 335°C is marginally high. COC Flash Point is marginally low. (GCD) 90% Distillation Point is marginally low.

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