

MAIN SYSTEM

Customer: PTRHTF10035

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System Information

System Volume: 2600 gal

Bulk Operating Temp: 500F / 260C

Heating Source:

Blanket:

Fluid: PETRO CANADA CALFLO AF

Make: HEATEC

Sample Information

Lab No: 02194545

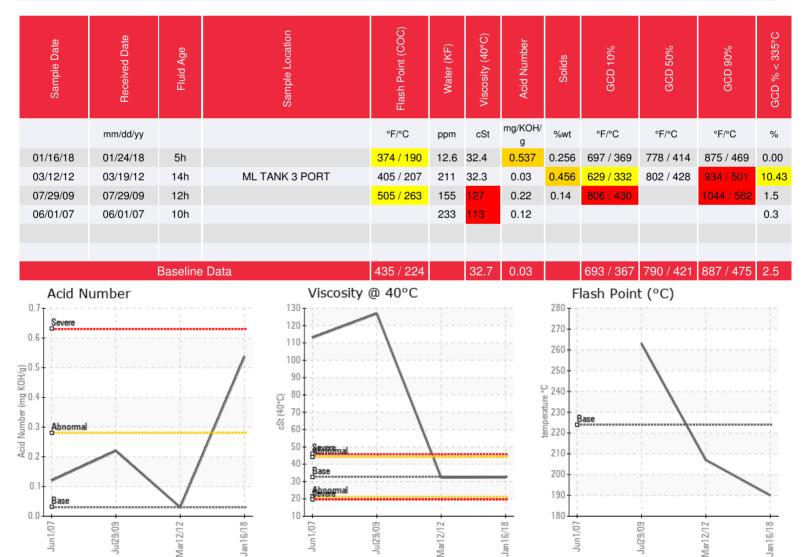
Analyst: Gaston Arseneault Sample Date: 01/16/18 Received Date: 01/24/18 Completed: 01/25/18

To discuss this report contact Gaston

Arseneault at 973-986-6503

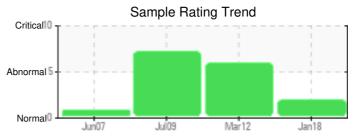
Recommendation: The lab failed to merge this analysis with the last results from 2012 after the system cleaning, but we will resolve this tomorrow as the plant needs the results ASAP. Indeed, the oil shows a high level of oxidation as seen by the high Acid Number. While the results confirm advanced oxidation, the oil is not loaded with metals and solids as one would expect when hearing that a tank got so corroded that it leaked. let's discuss these results in terms of options of actions to take besides replacing the corroded tank. If evidence exists of flow issues and temperature issues due to fouled pipes, then a system cleaning and/or metal replacement may be warranted. Otherwise, a fluid drain, flush and refill may be sufficient.

Comments: Acid Number (AN) is abnormally high. COC Flash Point is marginally low.



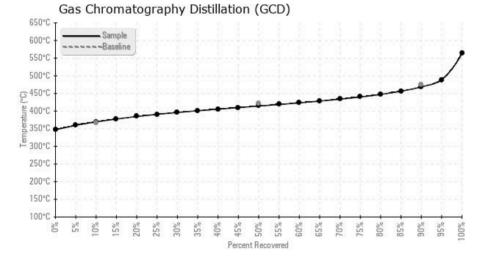


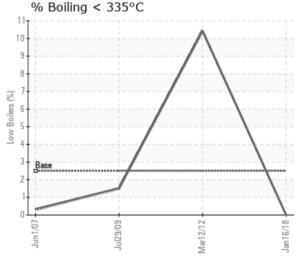






Elemental analysis results (above) in parts per million (ppm). [10,000 ppm = 1.0%]





This is the first sample since the big clean up in 2010. The oil appears relatively good, viscosity and Total Acid Number being normal. We see a certain amount of calcium, which could come from detergents from the pre-cleaner used in the operation. Although the solids contamination is also high which could indicate the calcium may come from airborne dust from your filler pile. We will send a reminder in December to re-sample.

Historical Comments

07/29/09

03/12/12

06/01/07

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