

LN01 Filled Sealdown Loop Hot Oil System

Customer: PTRHTF10141

TAMKO BUILDING PRODUCTS

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System Information

System Volume: 110 gal

Bulk Operating Temp: 350F / 177C

Heating Source:

Blanket:

Fluid: PETRO CANADA CALFLO HTF

Make: Heat Exchanger And T

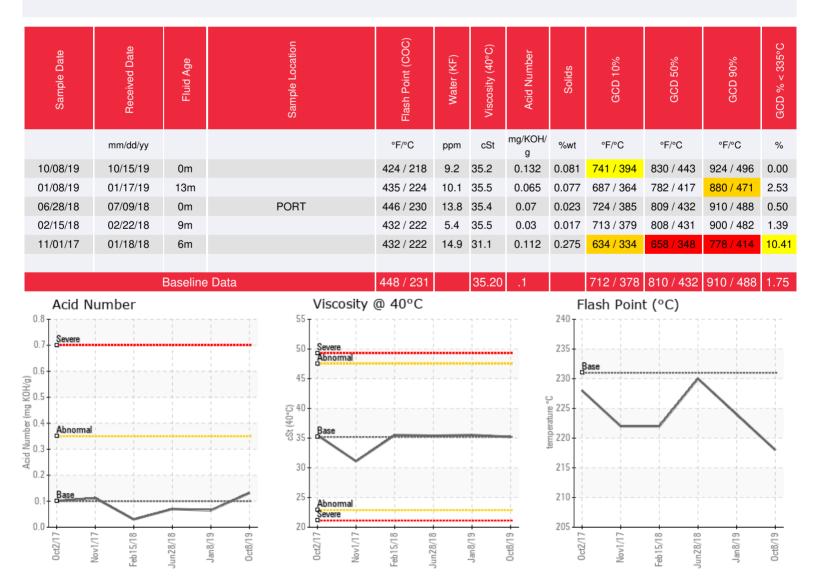
Sample Information

Lab No: 02314439 Analyst: Jake Finn Sample Date: 10/08/19 Received Date: 10/15/19

Completed: 11/08/19

Recommendation: Oil is suitable for continued use. Please resubmit sample in one year.

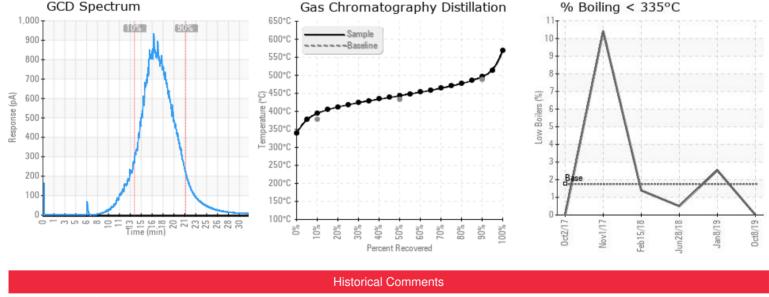
Comments: (GCD) 10% Distillation Point is marginally high. (GCD) 90% Distillation point has improved compared to previous sample.



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



'Venting' system fluid may increase the distillation point values to desired levels. Fluid is suitable for continued use, please resubmit sample in December 2019.(GCD) 90% Distillation Point is abnormally low.

Fluid is suitable for continued use. Please re-submit next sample in June 2019Some very light debris was noticed. Change any system filters regularly or tighten up the micron levels for a cleaner fluid. This fluid can be polished using a 2-stage kidney loop system safely during any shutdown periods.

Fluid is suitable for continued use.Improvements over the previous sample submitted 3.5 months earlier are noticeable. There was an increase in visible 'debris' although the color of the fluid is much clearer then before. If possible, filtering this fluid will assist in maintaining cleanliness or changing any system filters.

This sample has significantly changed negatively since the previous sample 1 month prior. This fluid may be a candidate for a drain, flush and fill with virgin Calflo HTF only because of the rate of change noticed between samples.Pentane insolubles have increased from .02 to .2 which is a big leap in the 'solids' found in the oil. Oil oxidation may be occurring as witnessed in the severe increase in the distillation curve <335oC (GCD) 50% Distillation Point is severely low. (GCD) 10% Distillation Point is abnormally low. (GCD) % < 335°C is marginally high.

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