

## **ENNIS HOT OIL SYSTEM**

## Customer: PTRHTF10112

CERTAINTEED - SAINT GOBAIN 2901 N KAUFMAN ST

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## System Information

System Volume: 2000 gal

Bulk Operating Temp: 525F / 274C

Heating Source:

Blanket:

Fluid: PETRO CANADA CALFLO AF

Make: ENNIS

## Sample Information

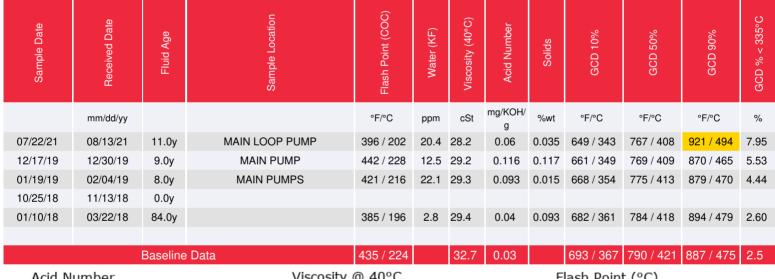
Lab No: 02438611 Analyst: Garrett Bapp Sample Date: 07/22/21 Received Date: 08/13/21 Completed: 09/10/21

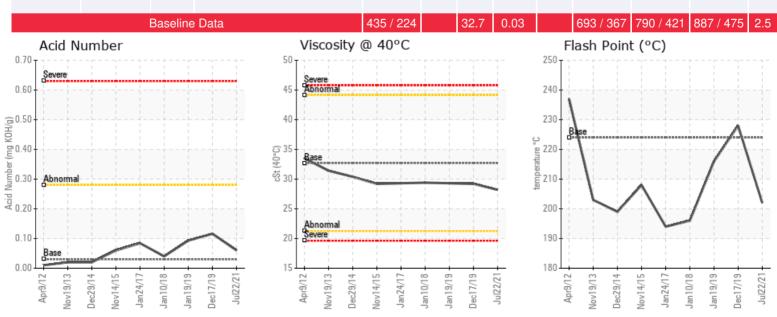
Garrett Bapp

Garrett.Bapp@HFSinclair.com

Recommendation: Fluid is showing signs of thermal cracking. Is is evident in the reduction in GCD 10%, rise in GCD 90%, reduction in COC Flash Point and decrease in viscosity. Recommendation to vent light ends from the system and resample at normal interval.

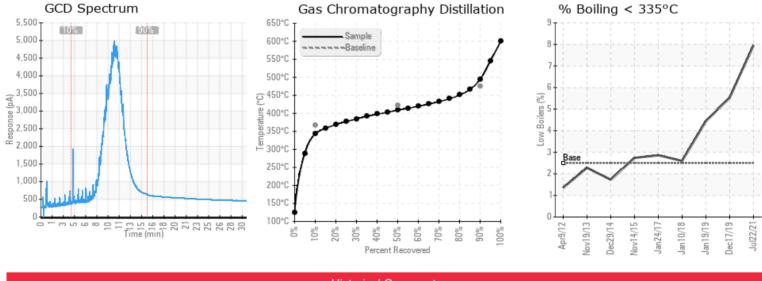
Comments: (GCD) 90% Distillation Point is abnormally high.







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



Historical Comments		Historical Comments
	12/17/19	Nothing changed since the last sample. The oil condition looks acceptable and no action appears to be needed at this time. Viscosity is normal, flash point is high, other properties are normal. Re-sample at next scheduled interval.
	01/19/19	The oil condition looks acceptable and no action appears to be needed at this time. Viscosity is normal, flash point is high, other properties are normal. Resample at next scheduled interval.
	10/25/18	This is a baseline read-out on the submitted sample. Additive levels indicate a type of oil.
	01/10/18	The fluid condition appears normal at this time. No action needed other than re-sample at next scheduled interval.

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