



## FRONT END/SMALL

## Customer: PTRHTF10037

CERTAINTEED ROOFING 200 SIERRA DR

PEACHTREE CITY, GA 30269 US

Attn: John Panuski

Tel:

E-Mail: john.panuski@saint-gobain.com

## System Information

System Volume: 400 gal

Bulk Operating Temp: 450F / 232C

Heating Source:

Blanket:

Fluid: PETRO CANADA CALFLO AF

Make: HEATEC

## Sample Information

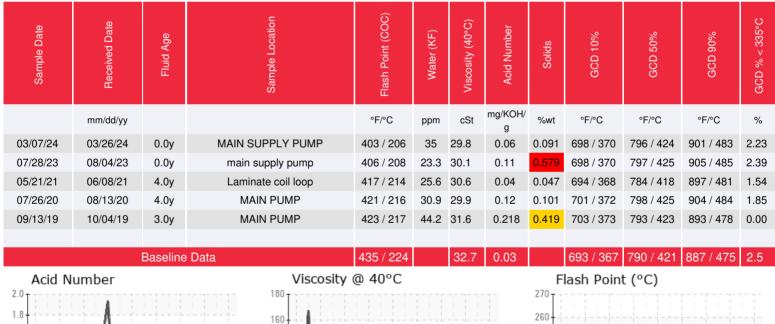
Lab No: 02624783 Analyst: Manny Garcia Sample Date: 03/07/24 Received Date: 03/26/24 Completed: 03/28/24

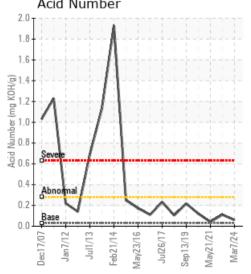
Manny Garcia

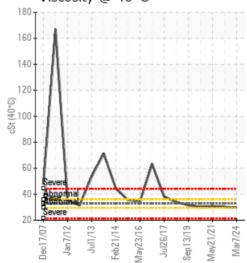
manuel.garcia@HFSinclair.com

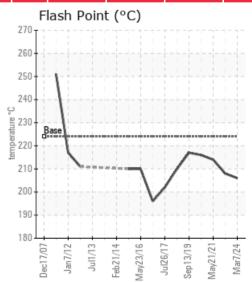
Recommendation: Sample looks Satisfactory. Please re-submit sample in March 2025 to confirm fluid integrity.

Comments: Pentane insolubles have dropped considerably from .5979 to .091 since the last sample submitted on 7/28/23.







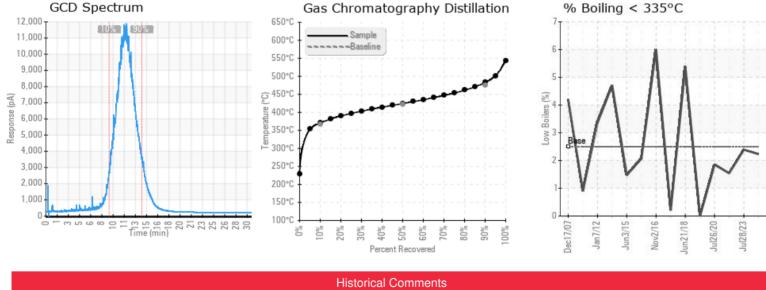




Elemental analysis results (above) in parts per million (ppm). [10,000 ppm = 1.0%]

0

**Baseline Data** 



Historical Confinents	
07/28/23	Please re-submit sample if any maintenance work is completed to reduce the levels of pentane insolubles, otherwise next sample should be submitted in July 2024.Pentane insolubles are severely high in this oil sample. All other parameters are in satisfactory condition. This unit had pentane insoluble issues in 2017-'18 and moderate conditions in '19. Besides these high levels of insolubles the oil looks satisfactory.
05/21/21	Sample is Suitable for continued use. Please continue operation and re-submit sample in June 2022. Very light debris was detected in the fluid sample. Please change any system filters. Moreover, the fluid 'may' be safely filtered during a down day with a portable filter cart to mitigate the visible debris.
07/26/20	This system once suffered contamination from cleaners/degreasers stored in the same storage system as the fresh oil, as identified by our Sr Tech Manny Garcia some years ago. The signs of contamination are almost completely gone. The fluid appears to be in good condition at this time, no action required.
09/13/19	The cleaners and other products contaminating the hot oil are getting diluted now and the rest of the properties are normal. No action required at this time and resample at next scheduled interval. Pentane Insolubles levels are abnormally high. Calcium ppm levels are severely high.

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