

LINE 7 HOT OIL SYSTEM

Customer: PTRHTF10094

CERTAINTEED CORPORATION -OXFORD 200 CERTAINTEED RD OXFORD, NC 27565 USA

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System Information

System Volume: 375 gal

Bulk Operating Temp: 519F / 271C

Heating Source:

Blanket:

Fluid: PETRO CANADA PETRO-THERM

Make:

Sample Information

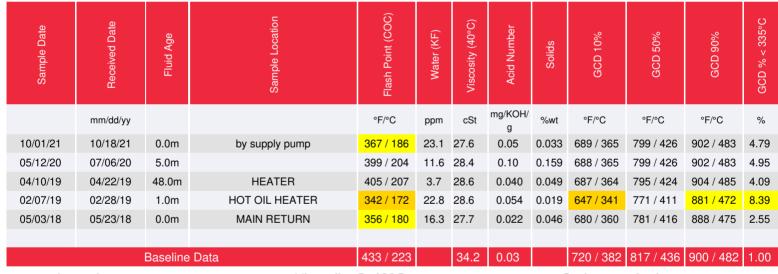
Lab No: 02450768 Analyst: Manny Garcia Sample Date: 10/01/21 Received Date: 10/18/21 Completed: 10/22/21

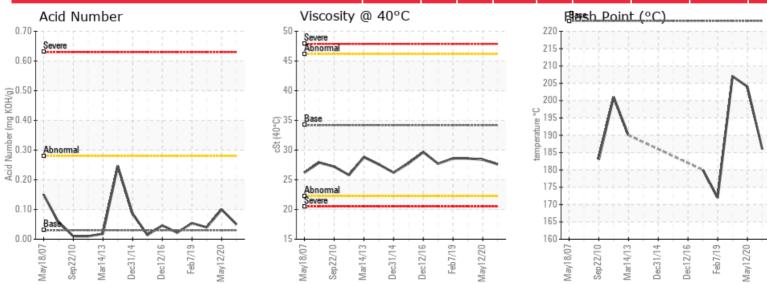
Manny Garcia

manuel.garcia@hollyfrontier.com

Recommendation: Oil is suitable for continued use. Recommend next sample be submitted in October 2022.

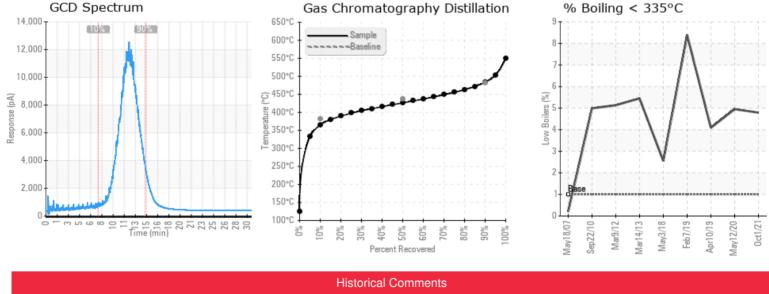
Comments: COC Flash point is down 18oC to 186 oC & should be monitored closely.







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



Historical Comments	
05/12/20	Virtually no change to the fluid in the last year. Viscosity is stable, flash point remains strong, no asphalt or moisture contamination. No action required based on these results.
04/10/19	The significant oil addition is noticed by the improved GCD results. No action required at this time. Re-sample this system at the next scheduled interval.
02/07/19	Last year we suggested some venting to bring the viscosity and flash point up. The flash point further decreased and low boilers increased some more. We are suggesting venting as well as replacing about 10% of the system fluid with fresh oil to help accelerate the improvement in the condition of the overall fluid. Once the venting and partial oil replacement has been done we recommend to take another sample a couple days later to measure the impact. COC Flash Point is abnormally low. (GCD) 10% Distillation Point is abnormally low. (GCD) % < 335°C is marginally high. (GCD) 90% Distillation Point is marginally low.
05/03/18	Some of the tests are missing because previous samples were tested like regular industrial fluids. Nothing is flagged as abnormal but we would like the viscosity and flash point to go up slightly. The way to do this is by venting some light ends out of the system and replace the volume drop by adding fresh oil until the expansion tank is 75% full. COC Flash Point is marginally low.

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