



## [16-17-064-26W5] H800

## Customer: PTRHTF20211

Paramount Resources Inc.

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**System Information** System Volume: 6000 ltr

Bulk Operating Temp: 365F / 185C

Heating Source: Blanket:

Fluid: PETRO CANADA CALFLO HTF

Make: FOSTER WHEELER

Sample Information

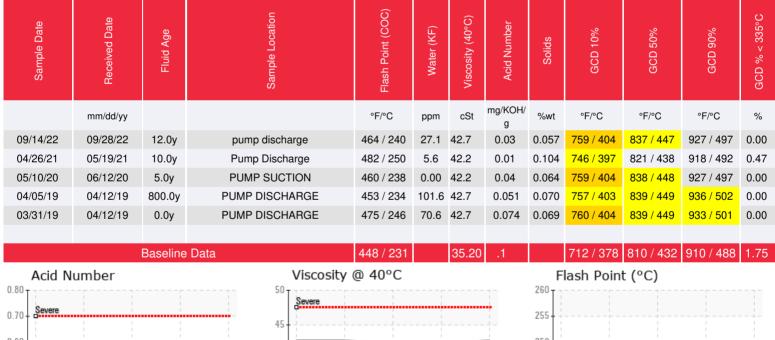
Lab No: 02513674 Analyst: Clinton Buhler Sample Date: 09/14/22 Received Date: 09/28/22 Completed: 10/04/22

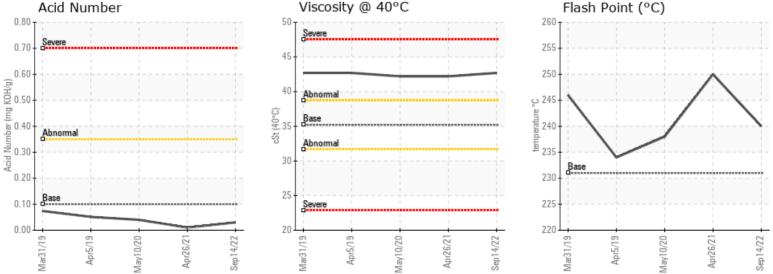
Clinton Buhler

Clinton.Buhler@HFSinclair.com

Recommendation: Sample results indicate the fluid is in suitable condition for continued service. Although fluid viscosity and GCD temperatures remain elevated compared to new fluid, these parameters remain steady year over year and do not suggest ongoing fluid degradation. Please re-sample in 12 months.

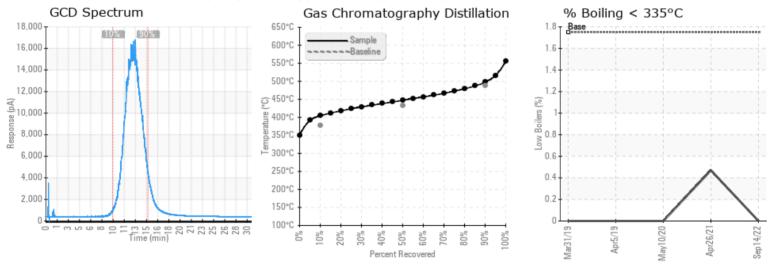
## Comments:







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



Historical Comments	
04/26/21	Sample results indicate that the fluid is in suitable condition for continued service. Viscosity and GCD results remain slightly elevated which can indicate mixture with a heavier fluid but there aren't major indicators of fluid degradation. Please re-sample in 12 months.
05/10/20	The fluid is in a good condition and suitable for further use. Viscosity is slightly high. This combined with elevated distillation temperatures indicates that the fill contains a heavier fluid, possibly Sunoil 21. This is not a problem. Please re-sample in 12 months. (GCD) 10% Distillation Point is abnormally high. (GCD) 50% Distillation Point is marginally high.
04/05/19	The fluid is in good condition and suitable for further use. Viscosity is high. This in combination with elevated distillation temperatures indicates that the system fill is a mix of Calflo HTF with a heavier fluid. (GCD) 90% Distillation Point is abnormally high. (GCD) 10% Distillation Point is marginally high.
03/31/19	The fluid is in a good condition and suitable for further use. High viscosity, Flash Point in combination with elevated distillation temperatures indicates that the system fill consists of a mix of Calflo HTF and a heavier fluid. (GCD) 90% Distillation Point is abnormally high. (GCD) 10% Distillation Point is marginally high.

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