

[16-11-88-13W6M] CLEARHILLS

Customer: PTRHTF20268

CANADIAN NATURAL RESOURCES (CNRL) CLEARHILL PLANT

16-11-88-13W6M

WORSLEY, AB T0H 3W0 Canada

Attn: Robert Irwin Tel: (778)220-1184

System Information

System Volume: 3700 ltr

Bulk Operating Temp: 356F / 180C

Heating Source:

Blanket:

Fluid: PETRO CANADA PETRO-THERM

Make:

Sample Information

Lab No: 02515093 Analyst: Clinton Buhler Sample Date: 10/03/22 Received Date: 10/06/22 Completed: 10/20/22

Clinton Buhler

Clinton.Buhler@HFSinclair.com

Recommendation: *** Sample has the consistency of sludge so viscosity cannot be tested. The sample has too much water for flashpoint testing. ***Sample results indicate extremely contaminated fluid: Acid Number is at 3.37, indicating advanced fluid oxidation and is >3x the condemning limit. Solids content and sludge indicate system fouling. There are also elements (Ca, Na, K, Si, etc) that are contaminants. If this is representative of system condition, a system cleaning, flush and re-fill with fresh fluid is required. Please contact Petro-Canada Lubricants Technical Services to discuss further

Comments: Iron ppm levels are severe. Water contamination levels are severely high





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

GCD Spectrum

Historical Comments	

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