

HEATTRANSFER

Customer: PTRHTF20234

Louisiana Pacific P. O. BOX 2338 MILE 3 ALASKA HWY

DAWSON CREEK, BC V1G 4P2 Canada

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System Information

System Volume: 24450 gal

Bulk Operating Temp: 530F / 277C

Heating Source:

Blanket:

Fluid: ESSO TERESSTIC ISO 100

Make: SALTON

Sample Information

Lab No: 02323476 Analyst: Clinton Buhler Sample Date: 11/27/19 Received Date: 11/28/19 Completed: 01/06/20

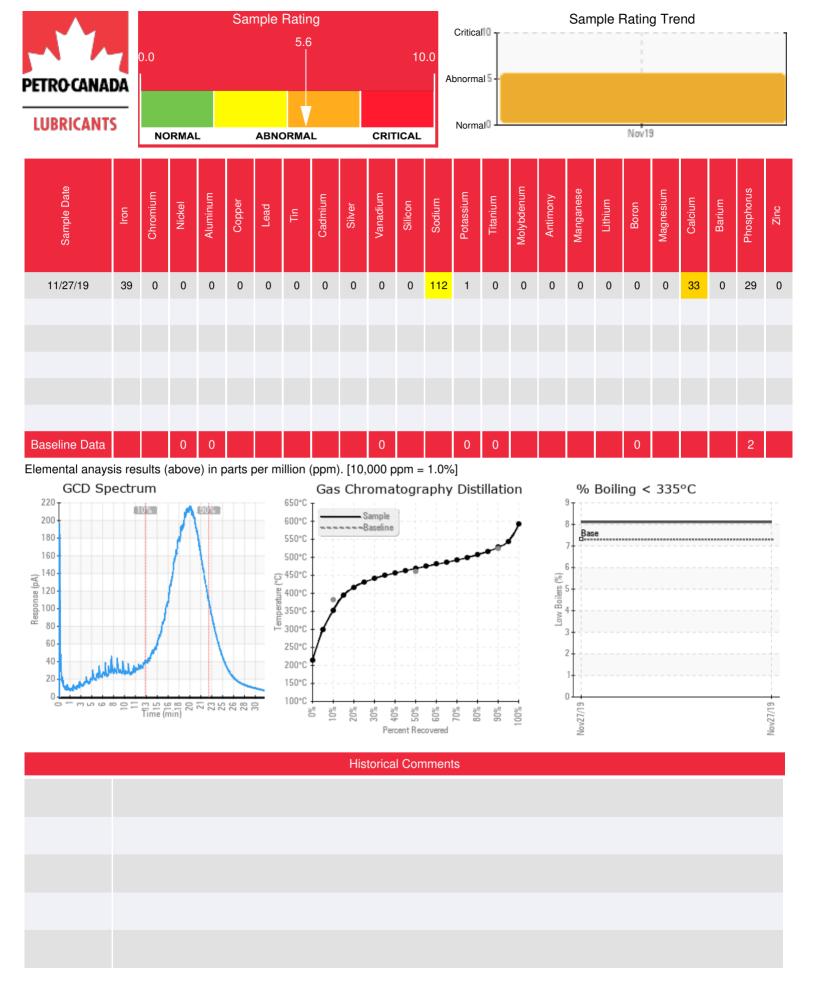
Clinton Buhler

Clinton.Buhler@HFSinclair.com

Recommendation: Sample results would seem to indicate that the fluid is suitable for continued service. The slightly elevated % boil-off <335C and reduced 10% distillation temperature may be an indication of thermal degradation (creates low boiling vapors). It is recommended practice to vent off low boiling vapors regularly. Please take note of the presence of sodium, calcium and phosphorus as these elements likely do not belong in this fluid and indicate contamination. This fluid is an ISO 100 viscosity grade. It may be worthwhile to investigate if this fluid viscosity is required for this system as a lower viscosity fluid can provide more efficient heat transfer. Please re-sample in 12 months

Comments: (GCD) 10% Distillation Point is severely low. Calcium ppm levels are abnormally high. Sodium ppm levels are notably high. (GCD) % < 335°C is marginally high.





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