

## [2-11-80-16W6M] 5500-2

### Customer: PTRHTF20156

TOURMALINE OIL 9920 98a Ave

FORT ST. JOHN, BC V1J 1S2 Canada

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# System Information

System Volume: 15000 ltr

Bulk Operating Temp: 345F / 174C

Heating Source:

Blanket:

Fluid: PETRO CANADA PETRO-THERM

Make:

### Sample Information

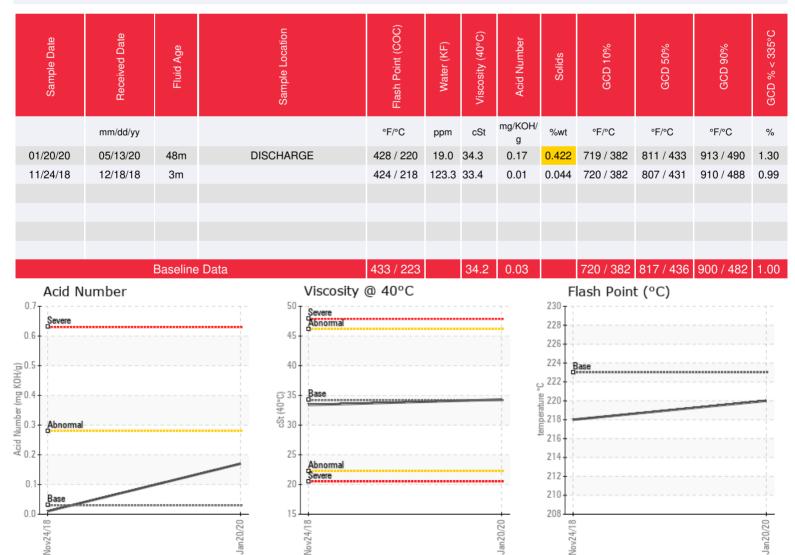
Lab No: 02353744 Analyst: Clinton Buhler Sample Date: 01/20/20 Received Date: 05/13/20 Completed: 05/20/20

Clinton Buhler

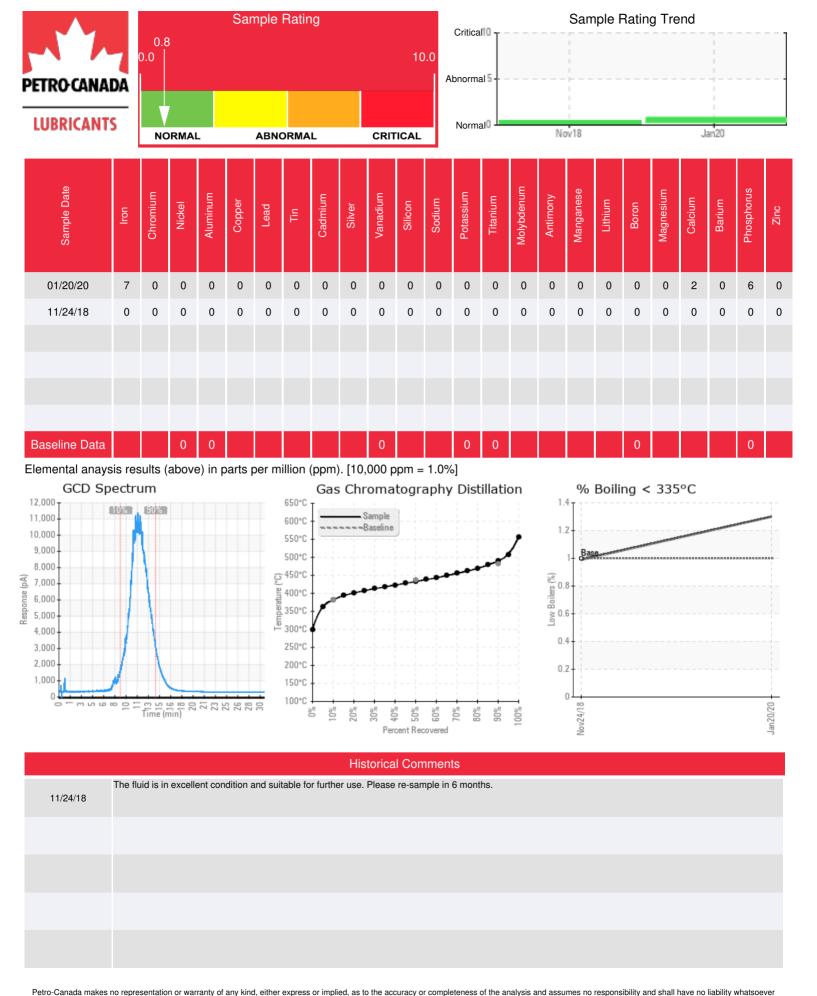
Clinton.Buhler@PetroCanadaLSP.com

Recommendation: Sample results indicate that the fluid is suitable for continued service. However, solids content has increased to 0.422%, up from 0.044% on the last analysis. This often is associated to degradation byproducts experienced with oxidation or thermal degradation, but the other fluid parameters in this report do not suggest that this is excessive. Acid Number has increased since last sample which may suggest some level of oxidation. Please re-sample within 6 months- please ensure that the sample is taken from a turbulent flow zone (pump discharge is ideal) and that the sample valve and piping is thoroughly purged out before taking the sample. This will help ensure that the solids content measurements are accurate and not just solids that have collected in a low lying area. To combat oxidation of the fluid, please ensure that blanket gas is in operation.

#### Comments:



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