

## [LSD 11-02-38-08 W5M] CNRL SEPTIMUS PHASE 2 H-8300

## Customer: PTRHTF20046

QUADRA CHEMICALS 12925 146TH STREET

EDMONTON, AB T5L 2H6 CANADA

Attn: Quadra Samples

Tel:

E-Mail: quadra samples@quadra.ca

## System Information

System Volume: 48000 ltr

Bulk Operating Temp: Not Specified

**Heating Source:** 

Blanket:

Fluid: MONSANTO THERMINOL 55

Make:

## Sample Information

Lab No: 02243235 Analyst: Clinton Buhler Sample Date: 09/25/18 Received Date: 10/04/18 Completed: 10/11/18

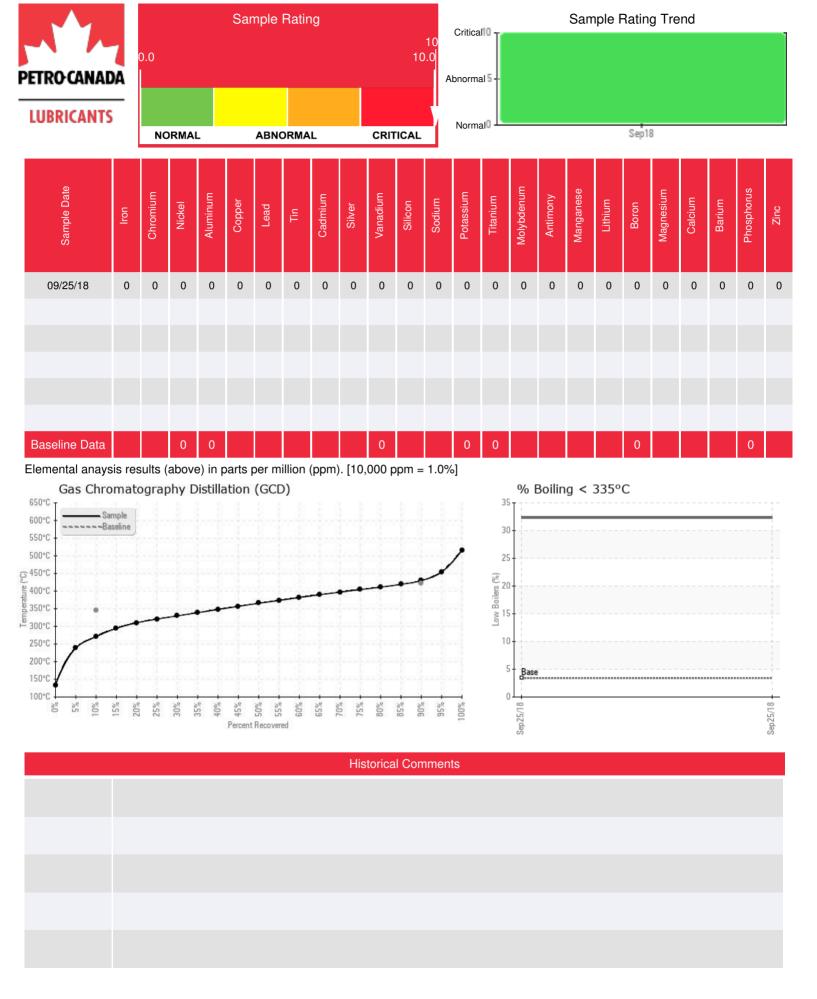
To discuss this report contact Clinton

Buhler at 780-516-9920

Recommendation: Sample results indicate that the heat transfer fluid is degraded and should be replaced. Pentane insoluble (solids) content of 1%, boil off level of 32.32% (nearly 10x of fresh fluid), reduced flash point and reduced 10% distillation value of 270°C indicate excessive thermal degradation. System requires a clean and flush before fill of fresh heat transfer fluid. It is also possible that some fluid thickening from oxidation is ongoing based on a measured viscosity of 32 cSt vs the 19cSt of fresh fluid. Please consult Petro-Canada Lubricants Technical Services for further support.

Comments: Pentane Insolubles levels are severely high. Water contamination levels are marginally high. (GCD) % < 335°C is severely high. (GCD) 10% Distillation Point is severely low. Visc @ 40°C is severely high.





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