

[LSD 11-02-038-08 W5M] CNRL SEPTIMUS PHASE 1 H-8000

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: 500F / 260C

Heating Source:

Blanket:

Fluid: MONSANTO THERMINOL 55

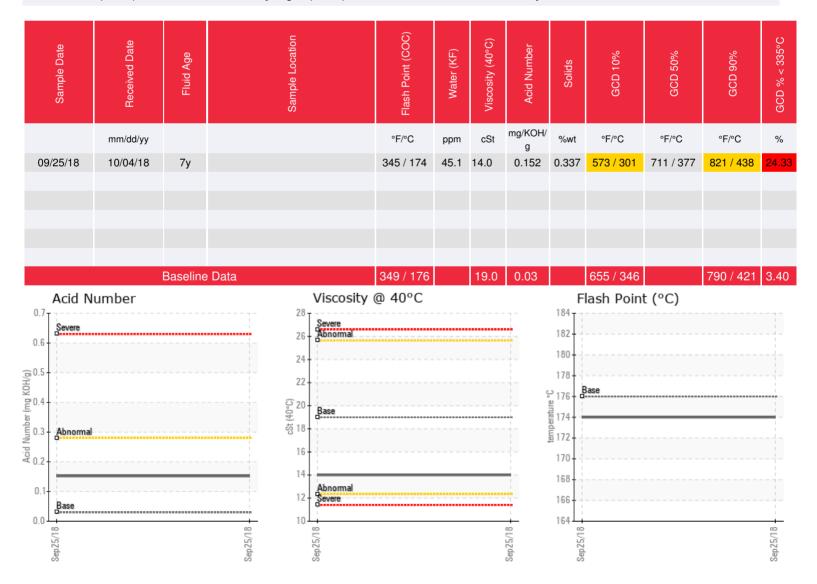
Make: Prolink VB 2010

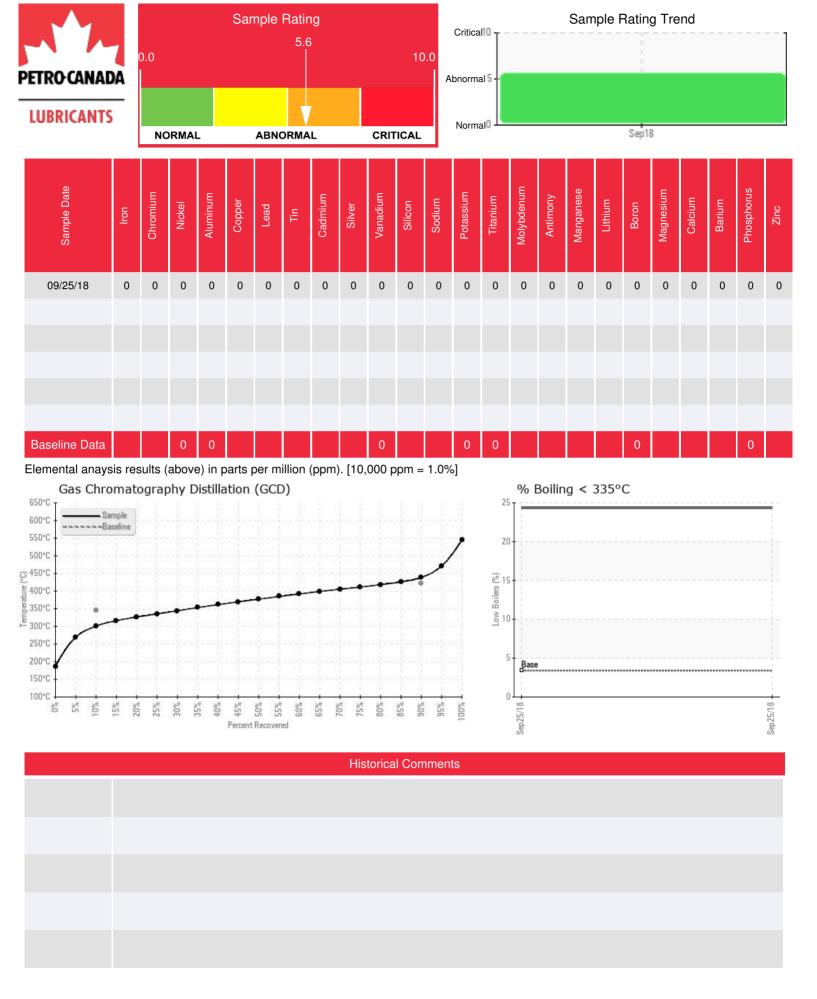
Sample Information

Lab No: 02243236 Analyst: Clinton Buhler Sample Date: 09/25/18 Received Date: 10/04/18 Completed: 11/02/18

Recommendation: Sample results may indicate that thermal degradation is ongoing as evidenced by 24.33% boil-off and reduced 10% distillation value. It is recommended to vent off low boiling vapors to help restore this and the fluid's viscosity. Increased 90% distillation value and Acid Number of 0.152 can indicate oxidation of the fluid. Please ensure blanket gas is operational; during venting of low boiling vapors, the blanket gas will need to be turned off if safe to do so for the pumps (pending suction head requirements). Re-sample in 6 months after thorough venting

Comments: (GCD) % < 335°C is severely high. (GCD) 10% Distillation Point is severely low.





Petro-Canada makes no representation or warranty of any kind, either express or implied, as to the accuracy or completeness of the analysis and assumes no responsibility and shall have no liability whatsoever with respect to such analysis, or a party's use of it. Petro-Canada is a division of HollyFrontier Corporation.