



[PMA] 451-PMA

Customer: PTRHTF20056

McAsphalt 26222 TOWNSHIP ROAD 530A ACHESON, AB T7X 5A7 Canada

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System Information

System Volume: 12000 ltr

Bulk Operating Temp: Not Specified

Heating Source:

Blanket:

Fluid: PETRO CANADA PETRO-THERM

Make: CEI

Sample Information

Lab No: 02509201 Analyst: Yutong Gao Sample Date: 08/23/22 Received Date: 09/06/22 Completed: 09/15/22

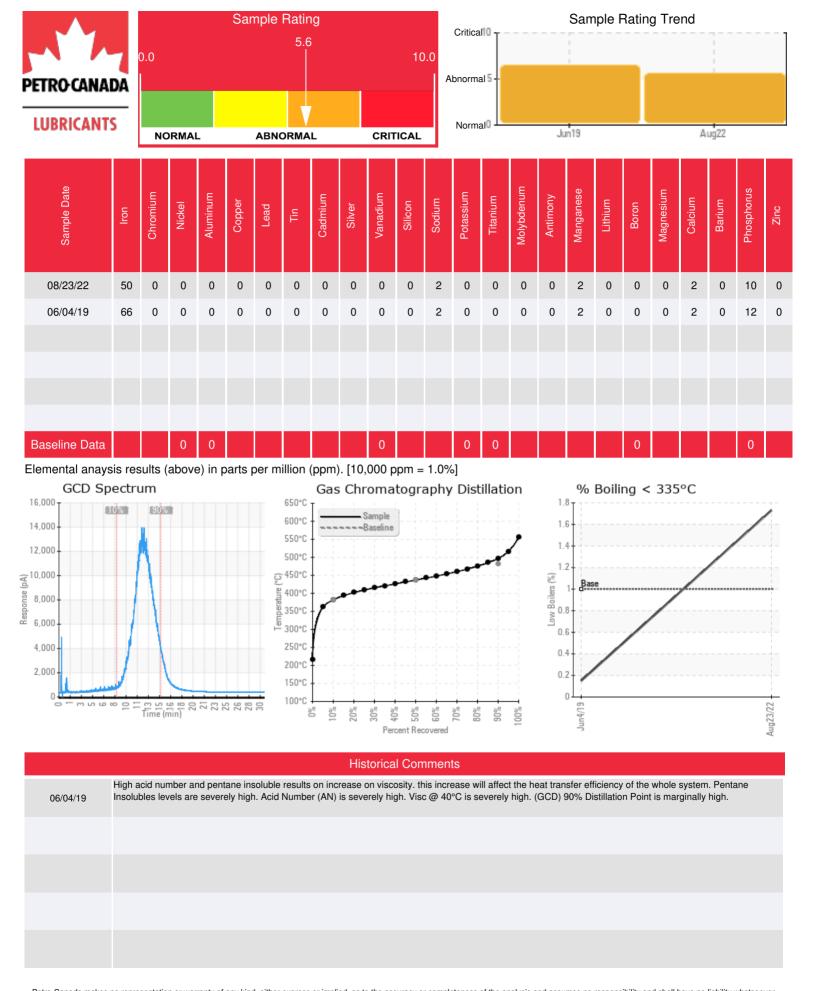
Yutong Gao

yutong.gao@HFSinclair.com

Recommendation: The current fluid has severe oxidation resulting in the substantial elevated Acid Number (AN) and the viscosity at 40C. The high fluid viscosity and the associated solid contents all decrease the system heat transfer efficiency. The fluid is not suitable for further operation. Please plan a fluid change in the near future. or at least to change 30% of the fluid to reduce the viscosity and acid number if the budget/timing reaches the limit this year.

Comments: Acid Number (AN) is severely high. Visc @ 40°C is severely high. (GCD) 90% Distillation Point is marginally high.





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