

## **HEAT TRANSFER FLUID**

## Customer: PTRHTF30132

McAsphalt Industries LTD 40 Bayside Drive Saint John, NB E2J 1A2 Canada

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## System Information

System Volume: 1800 ltr Bulk Operating Temp: 400F / 204C

Heating Source:

Blanket:

Fluid: ESSO ESSOTHERM N32

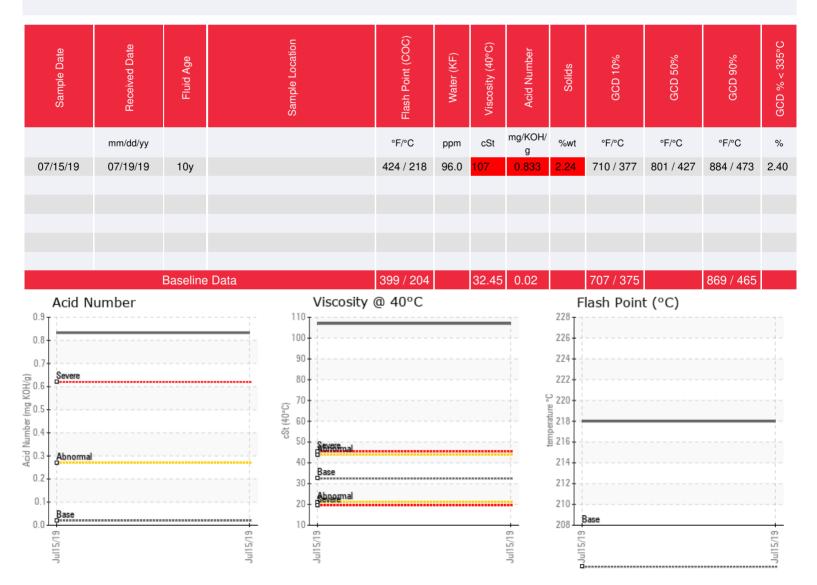
Make: HEATEC

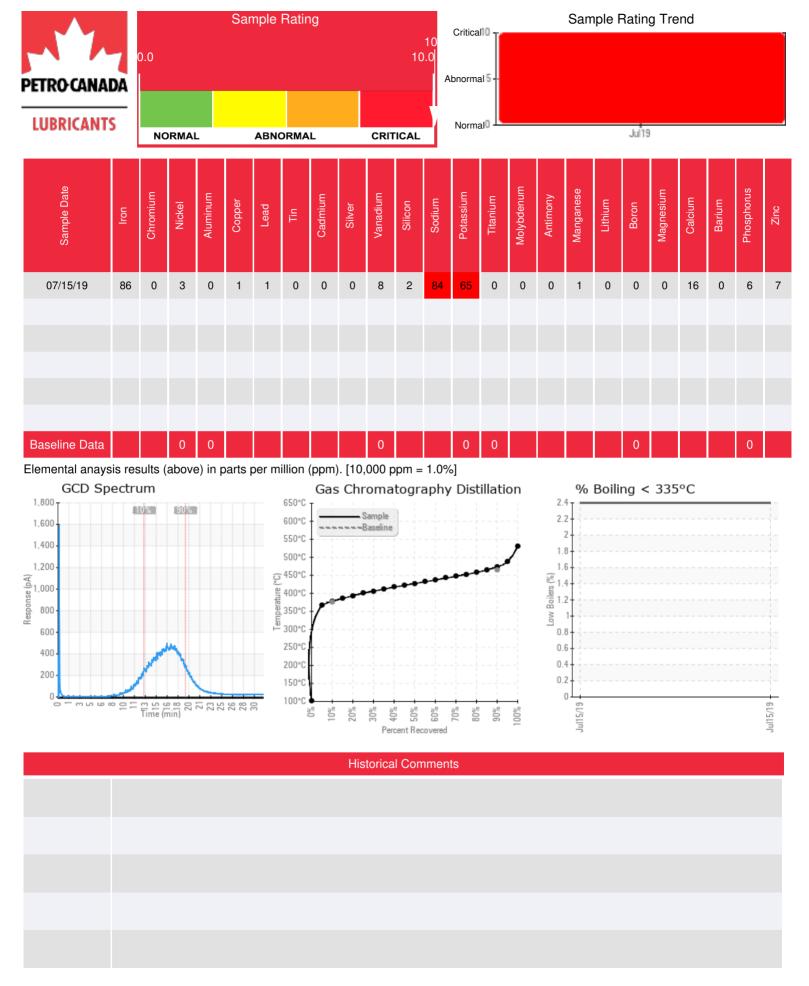
## Sample Information

Lab No: 02297965 Analyst: Behshad Sabah Sample Date: 07/15/19 Received Date: 07/19/19 Completed: 08/08/19

Recommendation: High TAN, very high viscosity at 40, and extremely high pentane insoluble are the indication of sever oxidation. the high viscosity will reduce the heat transfer and affect the system overall performance and efficiency. the oil need to be changed, the presence of Na and K are the indication of the cleaner leak into the oil.

Comments: Potassium ppm levels are severely high. Pentane Insolubles levels are severely high. Sodium ppm levels are severely high. Acid Number (AN) is severely high. Visc @ 40°C is severely high.





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