

HEATTRANSFER



McAsphalt Industries LTD 600 Arcola Ave

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System Information

System Volume: 15000 ltr

Bulk Operating Temp: 338F / 170C

Heating Source:

Blanket:

Fluid: ESSO THERMOIL 32

Make: HEATEC

Sample Information

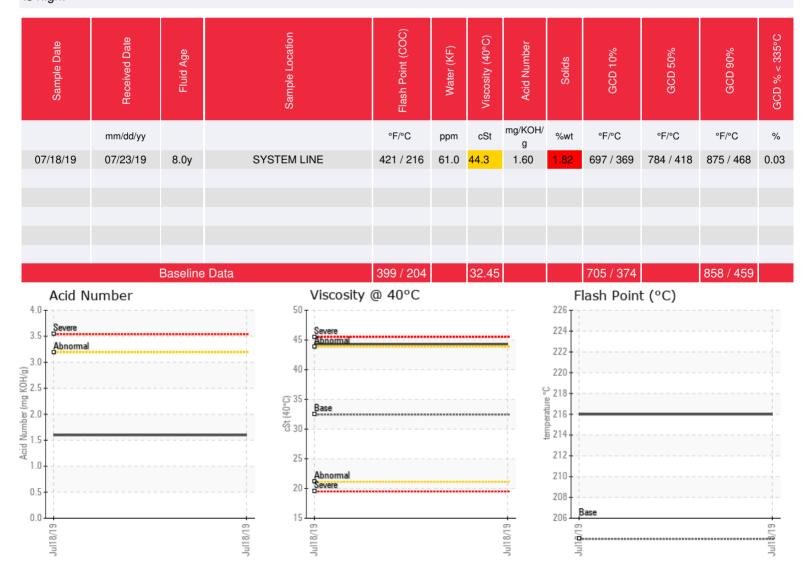
Lab No: 02298693 Analyst: Yutong Gao Sample Date: 07/18/19 Received Date: 07/23/19 Completed: 07/29/19

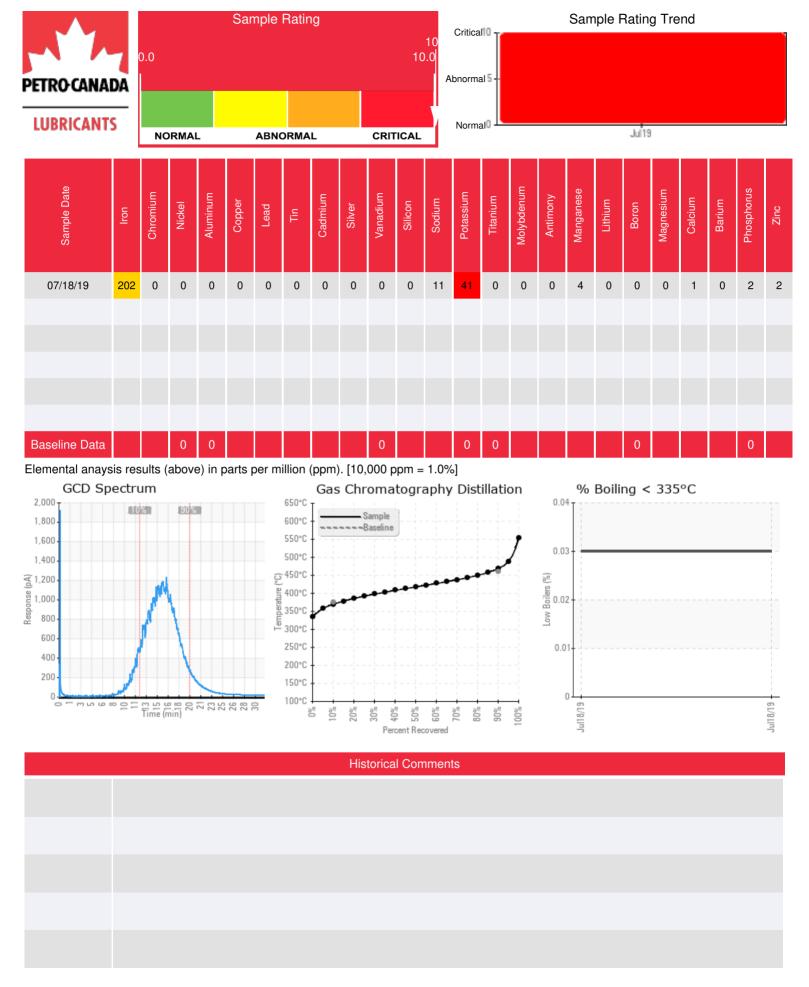
Yutong Gao

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Recommendation: The current fluid Therm Oil 32 has extremely high Acid Number and Viscosity comparing with the fresh fluid indicating the oil has been oxidized and creating the tremendous solids and deposits in the system. The heat transfer coefficient is reduced because of the oil oxidation and deposits. Please arrange the fluid change as soon as possible. A system inspection is also recommended to determine if a system cleaning or flushing is needed.

Comments: Iron ppm levels are abnormal. Potassium ppm levels are severely high. Solid levels are severely high. Visc @ 40°C is high.





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