

KILN #5 TOH

Customer: PTRHTF20274

Canfor Forest Products 5004-52 St

Whitecourt, AB T7B 1N2 CA

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System Information

System Volume: 12500 ltr

Bulk Operating Temp: 500F / 260C

Heating Source:

Blanket:

Fluid: MOBIL TERESSTIC 32

Make: WELLONS

Sample Information

Lab No: 02595667 Analyst: Peter Harteveld Sample Date: 11/01/23 Received Date: 11/10/23 Completed: 11/16/23

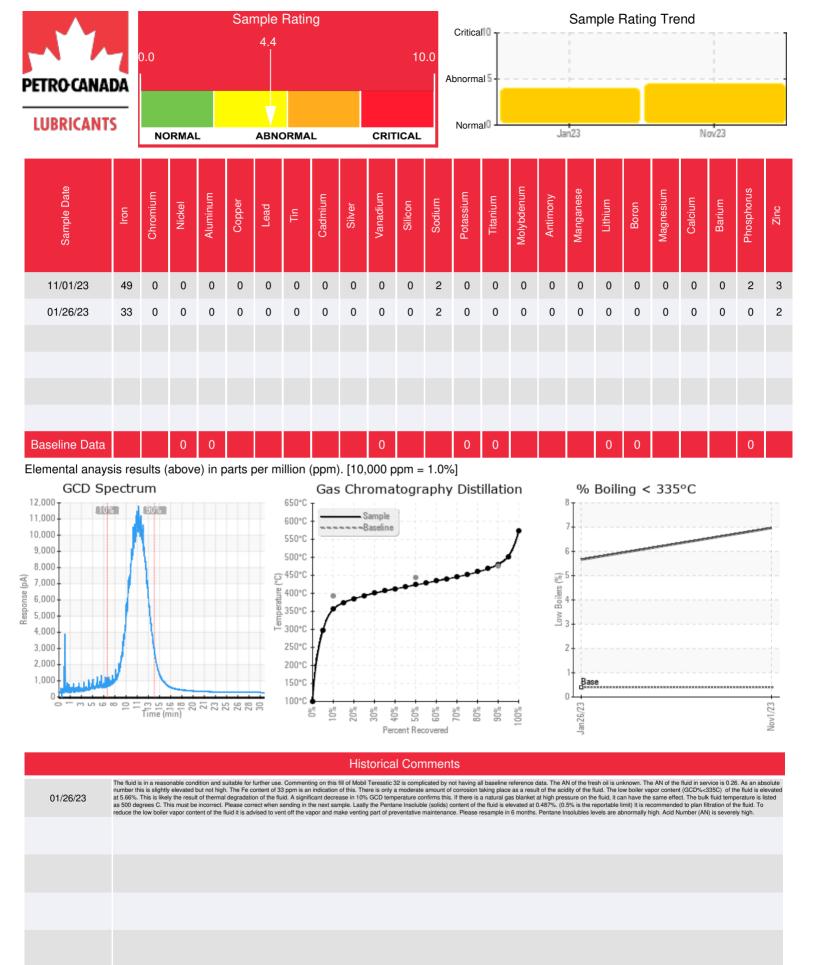
Peter Harteveld

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Recommendation: The fluid is in a reasonable condition and suitable for further use provided the low boiler vapor content (GCD% <335C = 6.96%) will be lowered to a more acceptable level by regular venting of this vapor to atmosphere. A further increase in low boiler vapor content will result in heat medium pump suction side problems (cavitation) and fluid flow stagnation at a later stage. The cause of increasing low boiler vapor content is thermal degradation of the fluid. An indication of this (besides GCD% <335C) is a decrease in 10% GCD temperature. Degradation of the fluid is causing the AN to increase which results in corrosion. This is indicated by an increase in Fe content. The Pentane Insoluble (solids) content has exceeded the reportable limit of 0.5%. It's currently at 0.654%. To avoid plugging of heat exchangers, maintain system efficiency and limit wear of heat medium pump mechanical seal faces it is advised to lower the solids content via filtration of the fluid. Please re-sample in 6 months.

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





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