

[PROCESSING ROOM] REACTOR 341

Customer: PTRHTF30155

HB Fuller (Royal Adhesive & Sealant...

266 Humberline Dr

Toronto, ON M9W 5X1 Canada

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System Information

System Volume: 1500 a

Bulk Operating Temp: 302F / 150C

Heating Source:

Blanket:

Fluid: PETRO CANADA CALFLO AF

Make: STERLCO

Sample Information

Lab No: 02367979 Analyst: Lynn Billings Sample Date: 08/03/20 Received Date: 07/31/20 Completed: 08/06/20

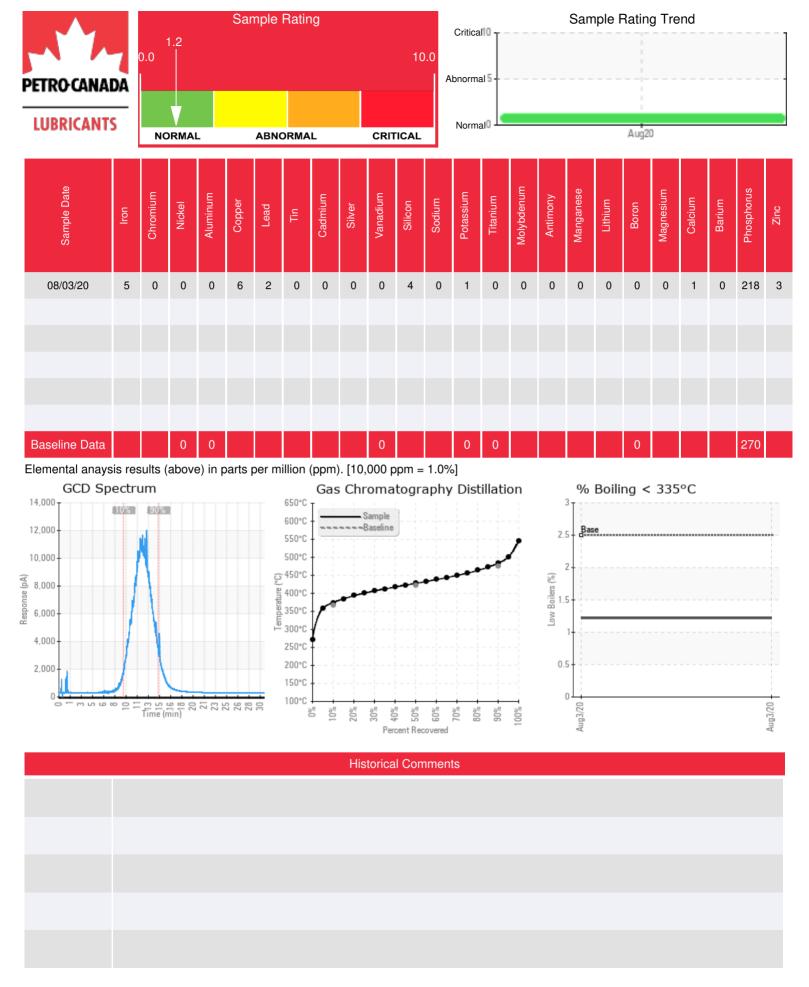
Lynn Billings

lynn.billings@petrocanadalsp.com

Recommendation: Recommendation: The sample shows a slightly high level of acids as shown with the acid number of 0.29. Oxidation causes the oil to form acids. Oil degrading by reacting with oxygen from air in the expansion tank without nitrogen blanketing (not sure whether you have nitrogen blanketing). Depending on the volume of the system, if the acid number continues to increase, a partial oil replacement (sweeten) is a possibility to reduce acid number, postpone fouling and costly shutdown. The GCD profile is consistent with Calflo AF, except for a few low boilers. The viscosity and water are consistent as well. Wear metals indicate some copper, iron and lead. The flash point is fine and there appears to be some pentane insolubles (0.086). Always ensure that the sample line is flushed thoroughly to remove any insolubles that may have accumulated over time, before the sample is taken. We recommend to re-sample in six months, to give us some additionally data since this system has been running for approximately six years, without any sample analysis.

Comments: Acid Number (AN) is abnormally high.





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