

[7K AREA] 009-HE-102

Customer: PTRHTF10177

Materia Inc 7629 State Hwy 75 South Huntsville, TX 77340 USA

Attn: Robert Durr Tel: (713)447-9561

E-Mail: rdurr@materia-inc.com

System Information

System Volume: 30 gal

Bulk Operating Temp: 32F / 0C

Heating Source:

Blanket:

Fluid: PETRO CANADA CALFLO HTF

Make: ADVANTAGE

Sample Information

Lab No: 02434455 Analyst: Garrett Bapp Sample Date: 07/01/21 Received Date: 07/22/21 Completed: 08/12/21

Garrett Bapp

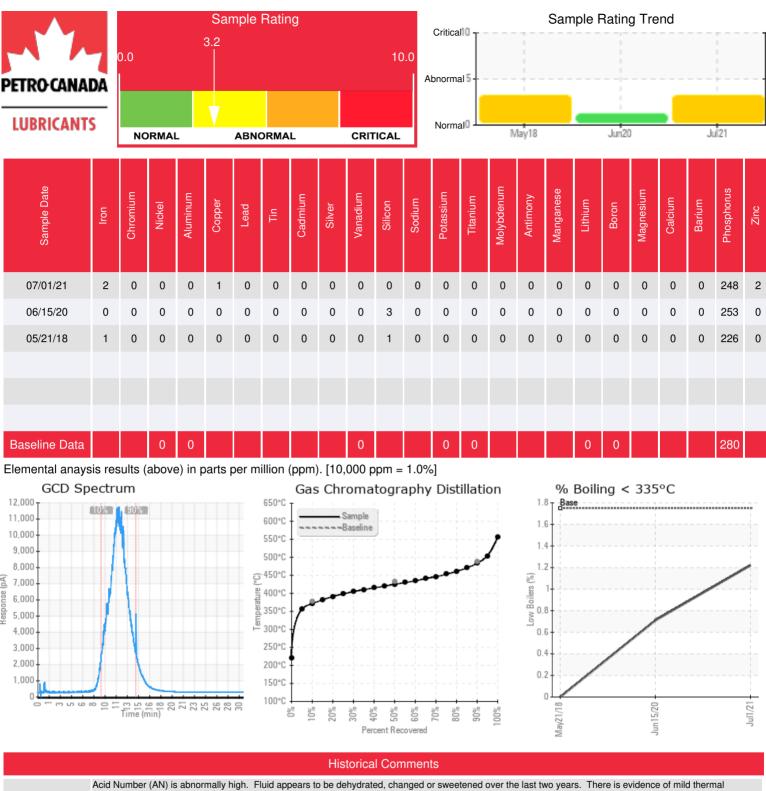
Garrett.Bapp@hollyfrontier.com

Recommendation: Acid number is severely high. Since system volume is only 30 gallons, recommended to replace total system volume to maintain system cleanliness.

Comments: Acid Number (AN) is severely high.



Report ID: [02434455] (Generated: 08/12/2021 14:05:59) - Page 1 - Copyright 2021 Wearcheck Inc. All Rights Reserved.



Historical Comments Acid Number (AN) is abnormally high. Fluid appears to be dehydrated, changed or sweetened over the last two years. There is evidence of mild thermal degradation. Because of the acid number, stay cognizant of possible system erosion. To address the high AN, a system fluid change is warranted. Otherwise, thermal transfer rates should not have changed much over the last two years. If it has, then inspect the immersion heater, and look for carbon deposits. Total Acid Number is high without any other properties supporting a symptom with the fluid. Look for possible system contamination, change fluid, and resample in 6 months. Acid Number (AN) is severely high.

Petro-Canada makes no representation or warranty of any kind, either express or implied, as to the accuracy or completeness of the analysis and assumes no responsibility and shall have no liability whatsoever with respect to such analysis, or a party's use of it. Petro-Canada is a division of HollyFrontier Corporation.