

RELIABLE PULASKI

Customer: PTRHTF30109

RELIABLE MATERIALS LLC 5500 S PULASKI CHICAGO, IL 60629 USA

Attn: Bob Madden Tel: (630)774-4120

E-Mail: rmadden@biganepaving.com

System Information

System Volume: 550 gal

Bulk Operating Temp: 330F / 166C

Heating Source:

Blanket:

Fluid: PARATHERM HE

Make:

Sample Information

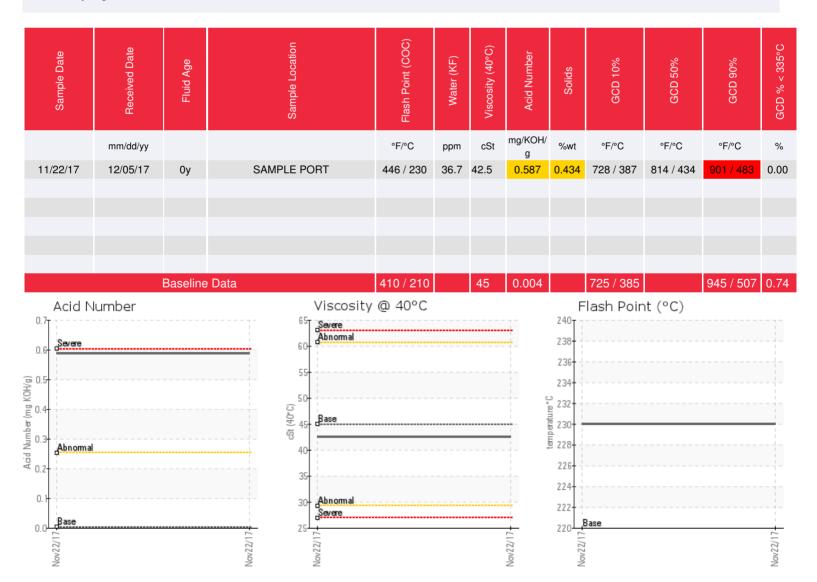
Lab No: 02185910 Analyst: Yvette Trzcinski Sample Date: 11/22/17 Received Date: 12/05/17 Completed: 12/21/17

To discuss this report contact Yvette

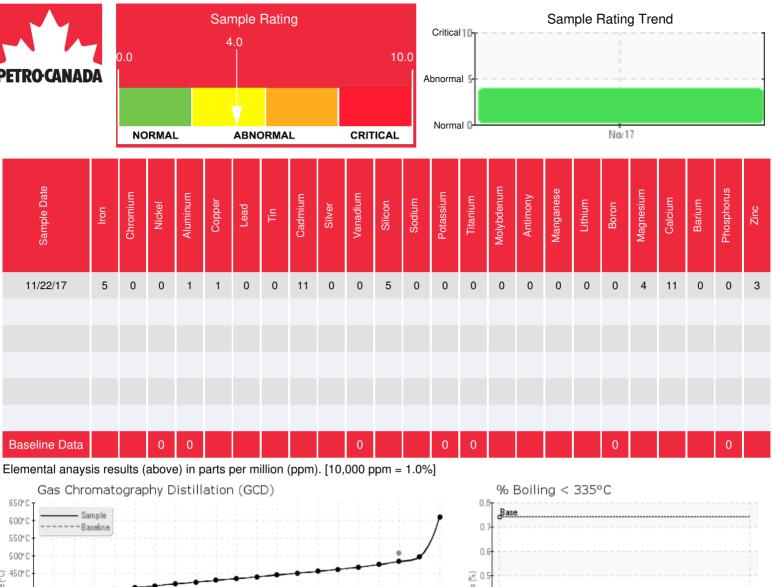
Trzcinski at (262)933-0718

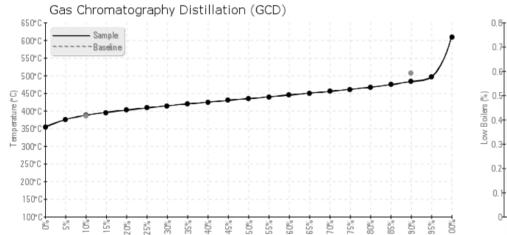
Recommendation: Acid number is very high which is an indication that the oil is oxidized. The solids are also very high 0.5% is the warning limit and this sample is at 0.587%. Appears the oil is oxidized, and has sludge, and organic and inorganic solids that have the ability to have plated out and fouled the system. Recommend that the current fluid be changed and the system be cleaned and flushed. It is important to remove any sludge, deposit and oxidized oil completely from the system to ensure it does not contaminate the new oil.

Comments: Pentane Insolubles levels are abnormally high. (GCD) 90% Distillation Point is severely low. Acid Number (AN) is abnormally high.

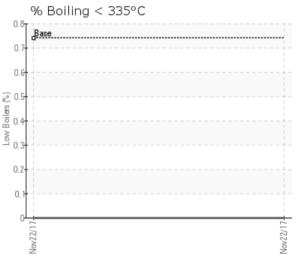








Percent Recovered



Historical Comments	

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.