

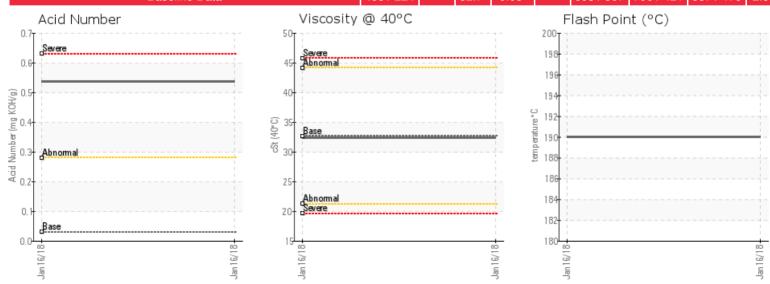
## LITTLE ROCK ARKNASAS

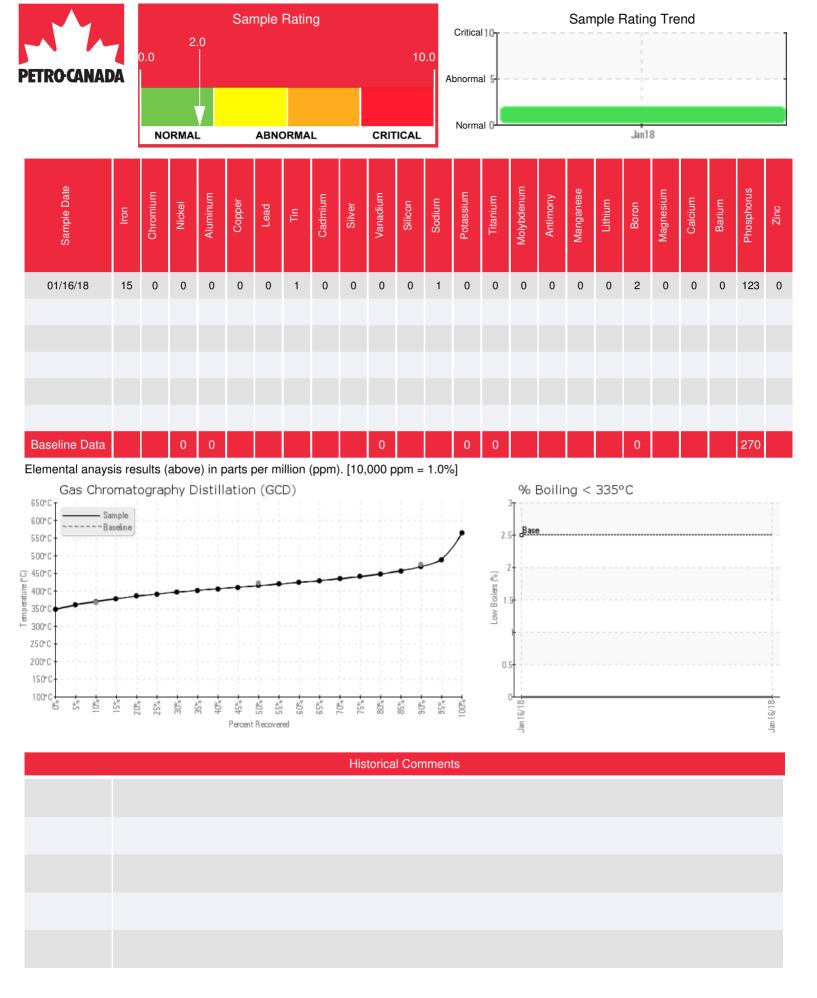
Customer: PTRHTF10035	System Information	Sample Information
CERTAINTEED - SAINT GOBAIN	System Volume: 0 gal	Lab No: 02194545
2701 E. ROOSEVELT RD	Bulk Operating Temp: Not Specified	Analyst: Gaston Arseneault
LITTLE ROCK, AR 72206 USA	Heating Source:	Sample Date: 01/16/18
Attn: MICHAEL MCNULTY	Blanket:	Received Date: 01/24/18
Tel: (501)375-9173	Fluid: PETRO CANADA CALFLO AF	Completed: 01/25/18
E-Mail: michael.e.mcnulty@saint-	Make:	To discuss this report contact Gaston
gobain.com		Arseneault at 973-986-6503

Recommendation: The lab failed to merge this analysis with the last results from 2012 after the system cleaning, but we will resolve this tomorrow as the plant needs the results ASAP. Indeed, the oil shows a high level of oxidation as seen by the high Acid Number. While the results confirm advanced oxidation, the oil is not loaded with metals and solids as one would expect when hearing that a tank got so corroded that it leaked. Iet's discuss these results in terms of options of actions to take besides replacing the corroded tank. If evidence exists of flow issues and temperature issues due to fouled pipes, then a system cleaning and/or metal replacement may be warranted. Otherwise, a fluid drain, flush and refill may be sufficient.

Comments: Acid Number (AN) is abnormally high. COC Flash Point is marginally low.







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