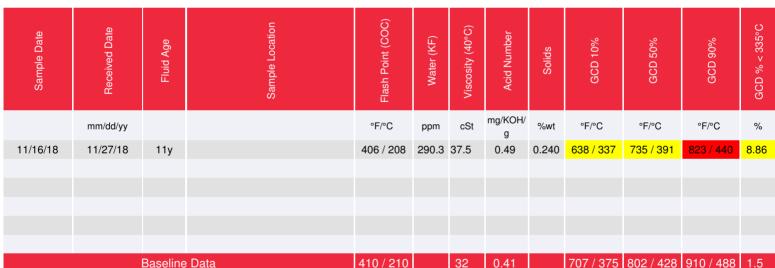


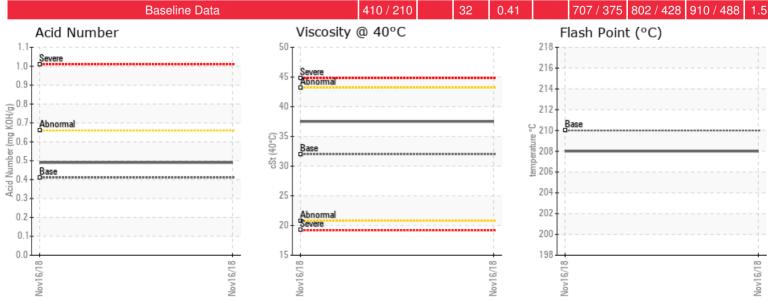
44 BUILDING FIBER REACT

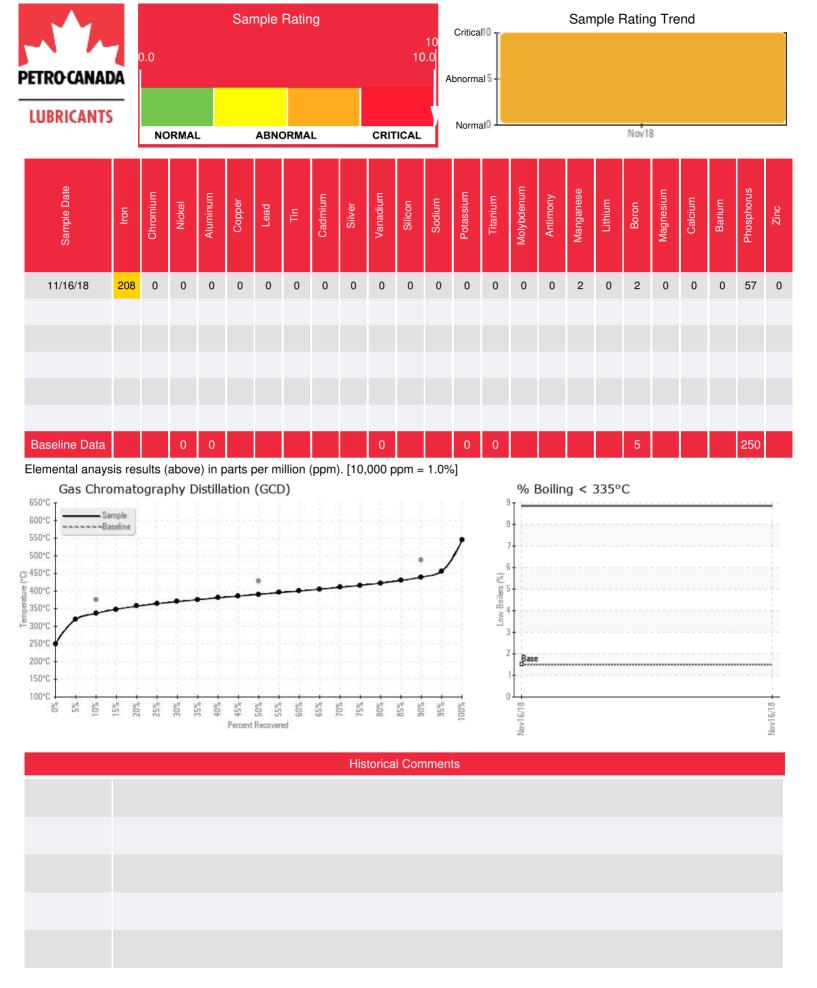
Customer: PTRHTF10204	System Information	Sample Information
TATE & LYLE	System Volume: 1000 gal	Lab No: 02253878
2200 EAST ELDORADO ST	Bulk Operating Temp: 550F / 288C	Analyst: Joe Goecke
DECATUR, IL 62521-1578 USA	Heating Source:	Sample Date: 11/16/18
Attn: Vince Fricke	Blanket:	Received Date: 11/27/18
Tel:	Fluid: HEAT TRANSFER FLUID ISO 32	Completed: 11/29/18
E-Mail: vince.fricke@tateandlyle.com	Make:	

Recommendation: Iron levels and PQ rating could be improved with filtration of the system. If the system does have a filter or screen make sure this is operational and if not consider adding this to the system. We also see some evidence of cracking with the rise in low boilers, or distillation % Less than 335 deg C. However we do not see this reflected in the flash point or viscosity since those are both close to normal. I would suggest filtration and or partial exchange. This oil would have the same heat transfer capabilities as new oil.

Comments: PQ levels are severe. Iron ppm levels are abnormal. (GCD) 90% Distillation Point is severely low. (GCD) % < 335°C is marginally high. (GCD) 10% Distillation Point is marginally low. (GCD) 50% Distillation Point is marginally low.







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.

Report ID: [02253878] (Generated: 11/29/2018 12:23:31) - Page 2 - Copyright 2018 Wearcheck Inc. All Rights Reserved.