

## [Orlen Upstream Canada / 16-7-63-5w6] 5510/5610 HEAT MEDIUM

## Customer: PTRHTF20175

QUADRA CHEMICALS 7802 98 STREET

CLAIRMONT, AB T0H 0W0 Canada

Attn: Quadra Samples

Tel:

0.0

Apr10/1

May11/18

Nov25/18

0ct24/19

Jun28/20

E-Mail: quadra\_samples@quadra.ca

## System Information

System Volume: 10000 ltr

Bulk Operating Temp: 374F / 190C

**Heating Source:** 

Blanket:

Fluid: PETRO CANADA PETRO-THERM

Make: RUSHTON

## Sample Information

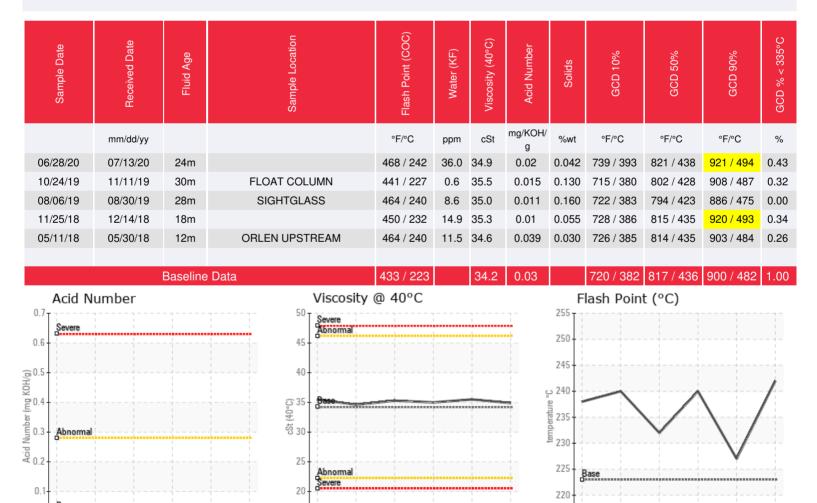
Lab No: 02364171 Analyst: Peter Harteveld Sample Date: 06/28/20 Received Date: 07/13/20 Completed: 07/16/20 Peter Harteveld

peter.harteveld@petrocanadalsp.com

Jun28/20

Recommendation: The fluid is in a good condition and suitable for further use. 10% and 90% GCD temperatures are slightly high. This is no concern at this time. Please re-sample in 12 months.

Comments: (GCD) 90% Distillation Point is marginally high.



Apr10/17

May11/18

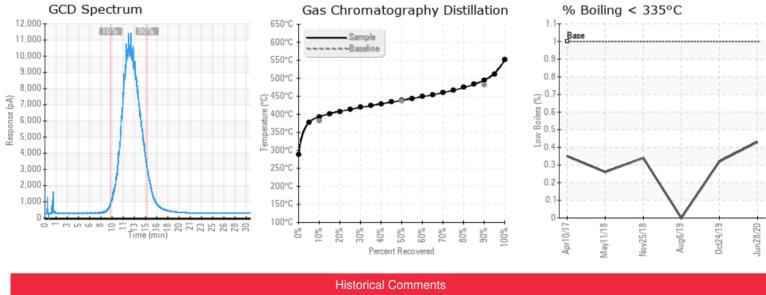
Nov25/18

0ct24/19

Jun28/20

April 0/





Historical Comments	
10/24/19	This was the re-sample after one of the initial August 2019 samples indicated excess water. Sample results indicate that the heat transfer fluid is suitable for continued service. Please re-sample in 12 months
08/06/19	Sample results indicate that the heat transfer fluid is suitable for continued service. Please re-sample in 12 months
11/25/18	sample results indicate that the fluid is suitable for continued service. Please re-sample in 12 months (GCD) 90% Distillation Point is marginally high.
05/11/18	Sample results indicate that fluid is suitable for continued service. Re-sample in 12 months.

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.