



DEXTRIN COOKER #2 (I-853-1-0120)

Customer: PTRHTF10156

INGREDION 1515 SOUTH DROVER ST INDIANAPOLIS, IN 46221 USA

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System Information

System Volume: 200 gal

Bulk Operating Temp: 400F / 204C

Heating Source:

Blanket:

Fluid: PETRO CANADA PURITY FG HEAT TRANSFER FLUID

Make: HEAT EXCHANGER/TRAN

Sample Information

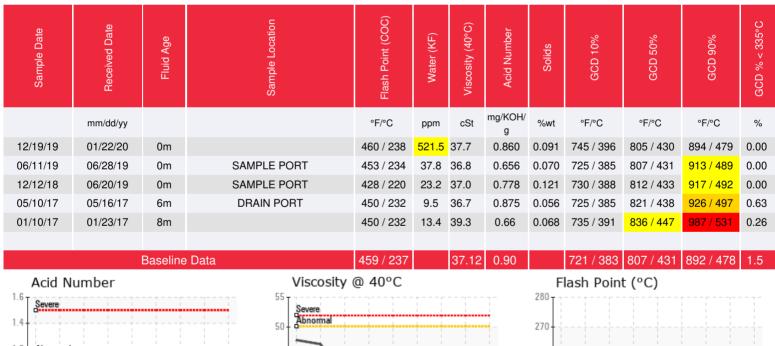
Lab No: 02333350 Analyst: Yvette Trzcinski Sample Date: 12/19/19 Received Date: 01/22/20 Completed: 01/30/20

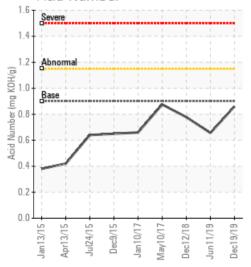
Yvette Trzcinski

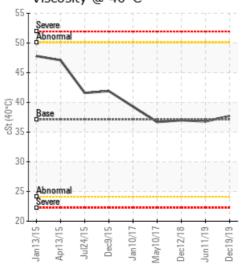
yvette.trzcinski@petrocanadalsp.com

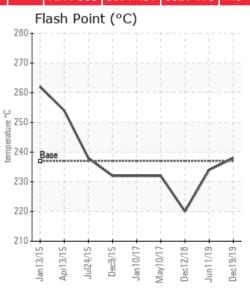
Recommendation: The sample is showing water contamination of 500 ppm - water at that level is not normal for this cooker - can happen if the system has been starting and stopping often - recommend resampling

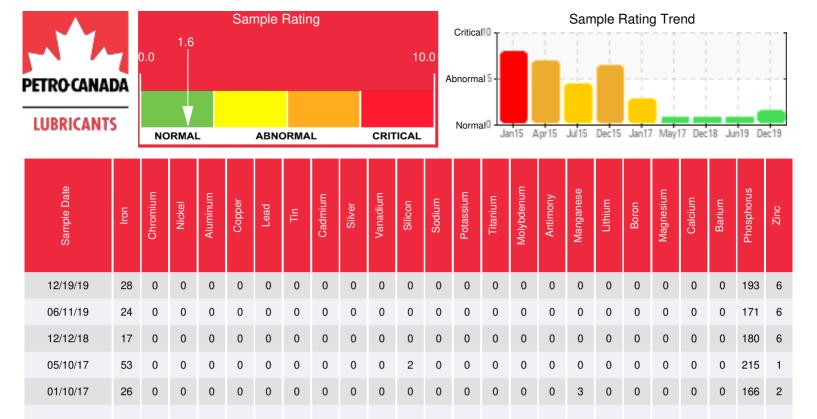
Comments: Water contamination levels are marginally high. Water contamination levels are marginally high. ppm Water contamination levels are marginally high.







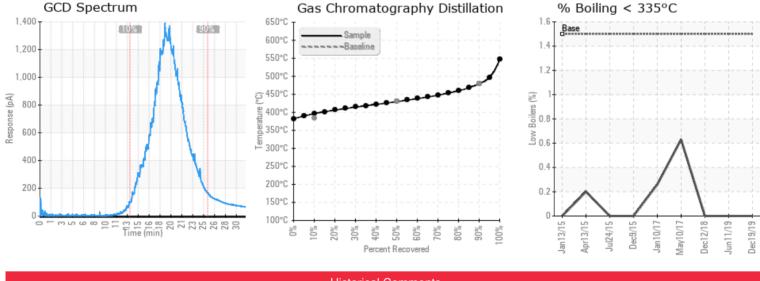




Elemental analysis results (above) in parts per million (ppm). [10,000 ppm = 1.0%]

0

Baseline Data



Historical Comments	
06/11/19	Seeing some oxidation occurring in the system with the GCD 90% increasing but all sampling parameters similar to last sample in December 2018. Resample in 6 months. (GCD) 90% Distillation Point is marginally high.
12/12/18	sample dated December 12 2018 - seeing some oxidation occurring in the system with the GCD 90% increasing but all other testing parameters look normal resample in 6 months (GCD) 90% Distillation Point is marginally high.
05/10/17	Continued addition of Purity FG HTF is improving the viscosity and health of this system it is currently looking the best as compared to the other two systems. Resample at normal intervals
01/10/17	This system was in the worst shape and has seen a modest addition of Purity FG HTF since the last sample. The high viscosity from the degraded Interlube is being diluted and is getting closer to Purity FG HTF. The high GCD 10% alerts are also going away slowly, meaning the fluid is starting to look better. No immediate action deemed necessary at this time, but if the health of the fluid is this particular system is extremely critical, if budget and time allows, you could consider improving its condition rapidly by replacing 50% of it or more. Otherwise, re-sample in 6 months for normal monitoring. (GCD) 90% Distillation Point is severely high. (GCD) 50% Distillation Point is marginally high.

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