

[Disto Oil Loop] SILANE 4.0 DISTILLATION

Customer: PTRHTF10093

REC GROUP 3322 ROAD N N.E.

MOSES LAKE, WA 98837 USA

Attn: Sam Bright Tel: (509)766-8902

E-Mail: sam.bright@recsilicon.com

System Information

System Volume: 50000 gal

Bulk Operating Temp: 420F / 216C

Heating Source:

Blanket: Fluid:

Make: COEN

Sample Information

Lab No: I-V04443

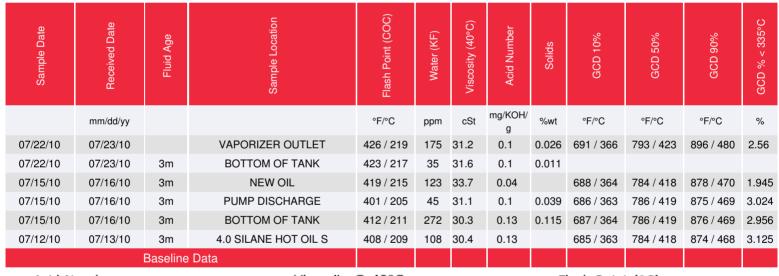
Analyst: Gaston Arseneault Sample Date: 07/22/10 Received Date: 07/23/10 Completed: 07/29/10

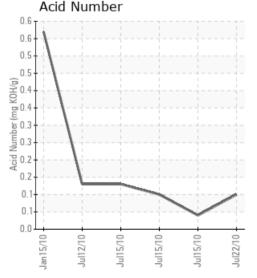
To discuss this report contact Gaston

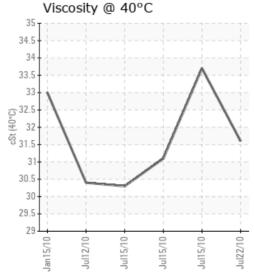
Arseneault at 973-986-6503

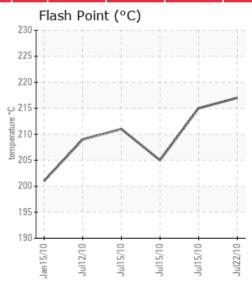
Recommendation: This bottom of tank sample does not look as bad as the previous bottom of tank sample from 7/15. There was not enough sample to run the GCD.

Comments: Not enough sample to complete all testing; Otherwise, no abnormal findings. Chlorine Results: <50 ppm; Sample information has been added or tests have been rerun or additional testing was added and the report has been regenerated;











Sample Date

07/22/10

07/22/10

07/15/10

07/15/10

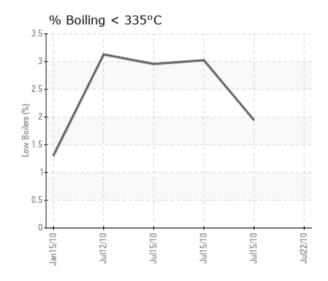
07/15/10

07/12/10

Baseline Data



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



Historical Comments	
07/22/10	This bottom of tank sample does not look as bad as the previous bottom of tank sample from 7/15. There was not enough sample to run the GCD.
07/15/10	The oil looks like new Calflo AF.
07/15/10	We will ask for chlorine testing on the tank bottom sample. Tank bottom appears to have more solids (oil insoluble material), more water but not more acidic
07/15/10	Wait for next sample for comparison
07/12/10	A process leak and contamination from left-over water from the initial pressure testing have been identified. This sample shows a higher Acid Number than fresh oil in such a short time, which may indicate the presence of acids (hydrochloric or sulfuric). The silicon is 4 ppm. Chlorine test was performed and the result was < 50 ppm. Water content is 108 ppm which is only about twice what fresh oil normally has. New samples are on their way so let's monitor the leak.

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