

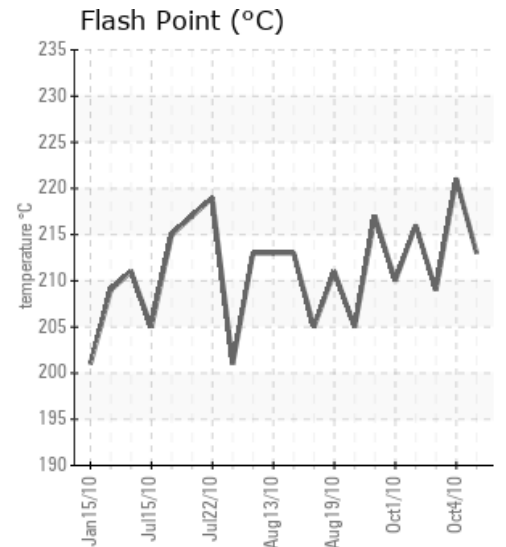
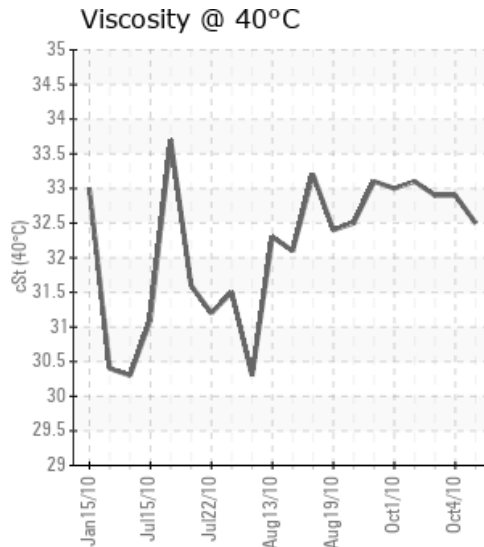
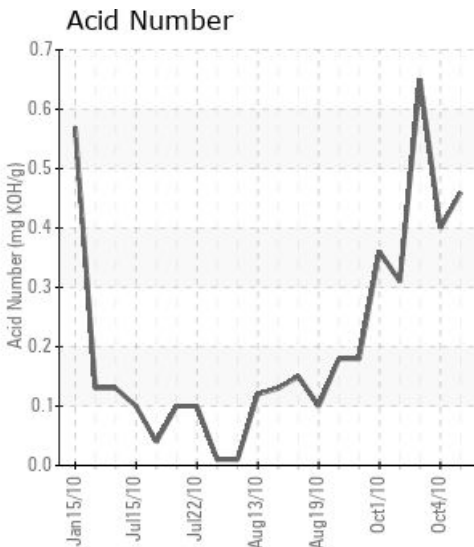
[Disto Oil Loop] SILANE 4.0 DISTILLATION

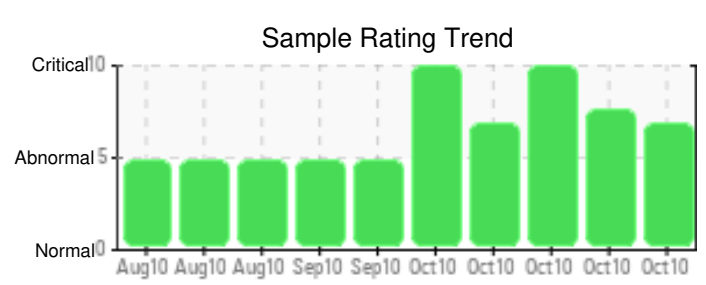
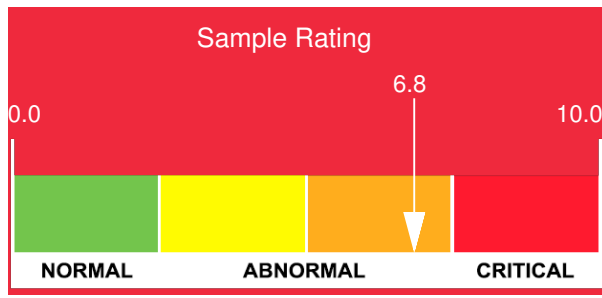
Customer: PTRHTF10093	System Information	Sample Information
REC GROUP 3322 ROAD N.N.E. MOSES LAKE, WA 98837 USA Attn: Sam Bright Tel: (509)766-8902 E-Mail: sam.bright@recsilicon.com	System Volume: 50000 gal Bulk Operating Temp: 420F / 216C Heating Source: Blanket: Fluid: Make: COEN	Lab No: I-W10684 Analyst: Gaston Arseneault Sample Date: 10/04/10 Received Date: 10/07/10 Completed: 10/11/10 To discuss this report contact Gaston Arseneault at 973-986-6503

Recommendation: Silicon is still rising to unprecedented levels and now we see a clear trend of increasing acid number.

Comments: Silicon is at a MODERATE LEVEL; Acid Number is MODERATELY HIGH.

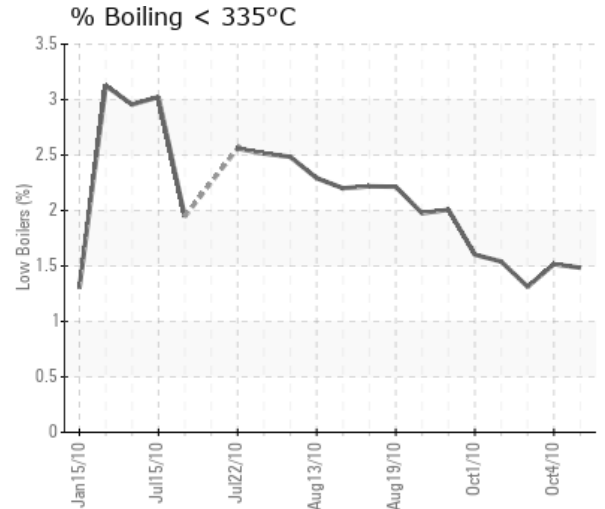
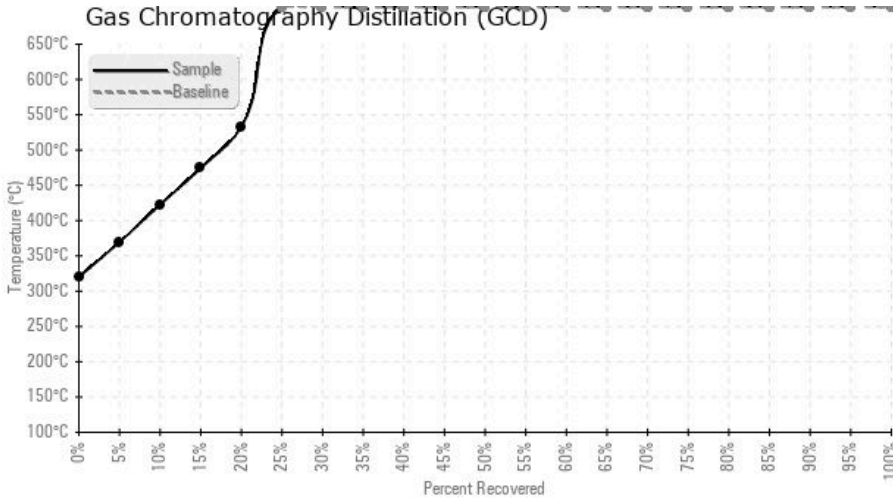
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
10/04/10	10/07/10		HOT OIL EXPANSION TA	415 / 213	14	32.5	0.46	0.027	697 / 369	792 / 422	885 / 474	1.484
10/04/10	10/07/10		TCS VAPORIZER	430 / 221	21	32.9	0.4	0.040	697 / 370	792 / 422	886 / 474	1.516
10/02/10	11/08/10		HOT OIL EXPANSION DR	408 / 209	101	32.9	0.65	0.100	700 / 371	794 / 423	888 / 475	1.313
10/01/10	10/04/10	4m	TCS VAPORIZER	421 / 216	19	33.1	0.31	0.048	697 / 369	792 / 422	884 / 473	1.540
10/01/10	10/04/10	4m	HOT OIL EXPANSION TA	410 / 210	26	33	0.36	0.076	697 / 370	793 / 423	886 / 475	1.602
09/02/10	09/08/10	2m	BOTTOM OF TANK	423 / 217	12	33.1	0.18	0.038	693 / 367	791 / 422	886 / 475	2.007
Baseline Data												





Sample Date	Iron	Chromium	Nickel	Aluminum	Copper	Lead	Tin	Cadmium	Silver	Vanadium	Silicon	Sodium	Potassium	Titanium	Molybdenum	Antimony	Manganese	Lithium	Boron	Magnesium	Calcium	Barium	Phosphorus	Zinc	
10/04/10	11	0	0	0	0	0	16	2	0	0	338	2	0	0	0	0	0	0	0	0	2	0	17	1	
10/04/10	7	0	0	0	0	0	33	16	0	0	264	1	0	0	0	0	0	0	0	0	16	0	14	7	
10/02/10	10	0	0	0	0	0	46	0	0	0	303	0	0	0	0	1	0	0	1	0	0	0	10	0	
10/01/10	6	0	0	0	0	0	38	1	0	0	262	0	2	0	0	0	0	0	0	0	1	0	10	0	
10/01/10	11	0	0	0	7	2	105	2	0	0	267	0	3	0	0	1	0	0	0	0	2	0	15	0	
09/02/10	5	0	0	0	0	0	1	1	0	0	165	0	0	0	0	0	0	0	0	1	1	0	8	1	
Baseline Data																									

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



Historical Comments

10/04/10	Silicon is still rising at unprecedented levels and now we see a clear trend of increasing acid number.
10/02/10	Refer to comments on the next sample
10/01/10	Silicon is still rising in the Vaporizer
10/01/10	The silicon is still rising but now we see Tin shooting up.
09/02/10	The results from the Vaporizer look very much alike the ones from this bottom of the tank sample. Rising Acid Number, rising Silicone to levels not experienced before.