

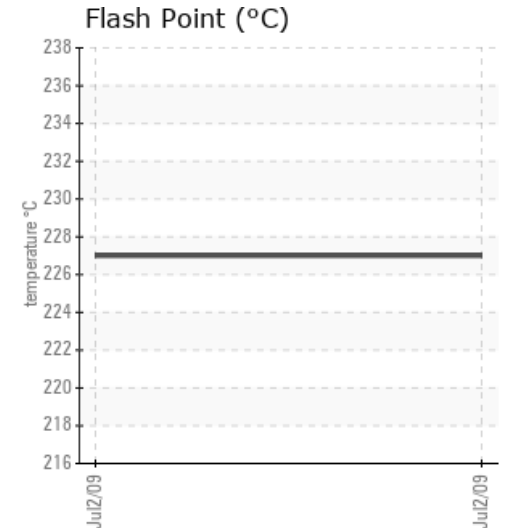
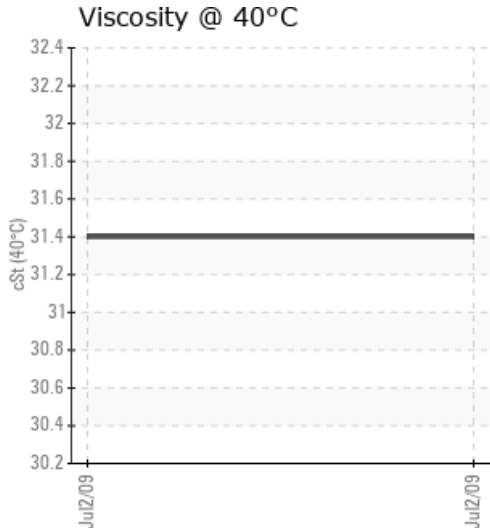
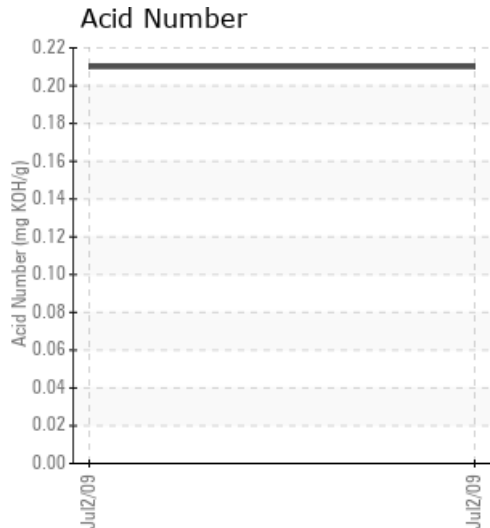
HEAT TRANSFER SYSTEM

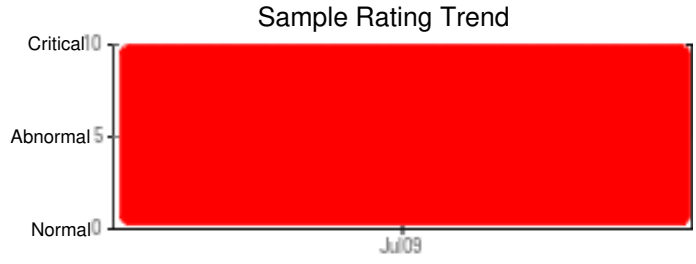
Customer: PTRHTF10023	System Information	Sample Information
LAKESIDE INDUSTRIES 50 ECLIPSE WEST DRIVE PORT ANGELES, WA 98363 US Attn: JEFF HALSEY Tel: (360)457-1854 E-Mail:	System Volume: 0 gal Bulk Operating Temp: 329F / 165C Heating Source: Blanket: Fluid: Make:	Lab No: I-D33629 Analyst: Gaston Arseneault Sample Date: 07/02/09 Received Date: 07/02/09 Completed: 07/09/09 Gaston Arseneault gaston.arseneault@HFSinclair.com

Recommendation:

Comments:

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	%
07/02/09	07/02/09	6.0h		441 / 227	459	31.4	0.21	6.9	693 / 367		880 / 471	1.5
Baseline Data												

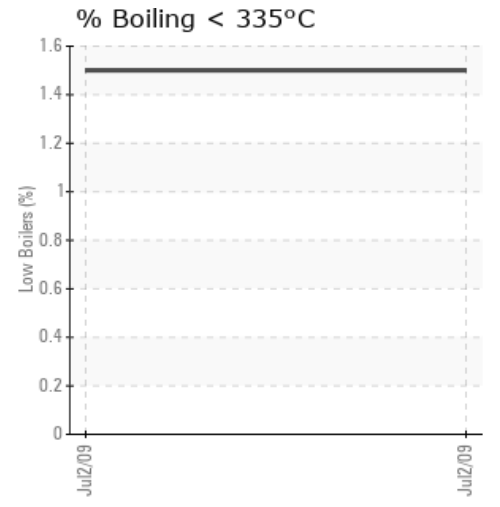
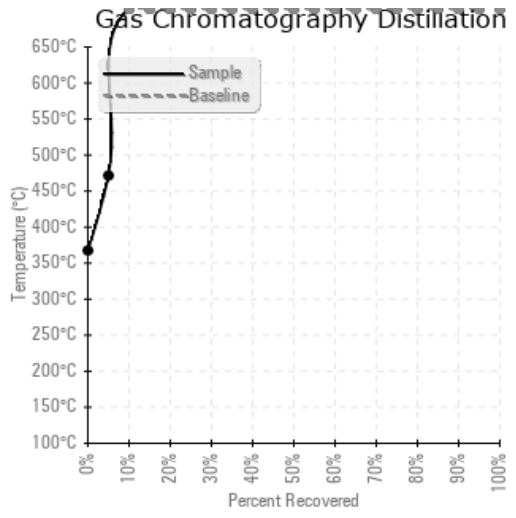




Sample Date	Iron	Chromium	Nickel	Aluminum	Copper	Lead	Tin	Cadmium	Silver	Vanadium	Silicon	Sodium	Potassium	Titanium	Molybdenum	Antimony	Manganese	Lithium	Boron	Magnesium	Calcium	Barium	Phosphorus	Zinc	
07/02/09	2327	2	1	5	25	31	3	0	0	0	20	0		0	0		15			2	17	15	110	185	
Baseline Data																									

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

GCD Spectrum



Historical Comments

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