

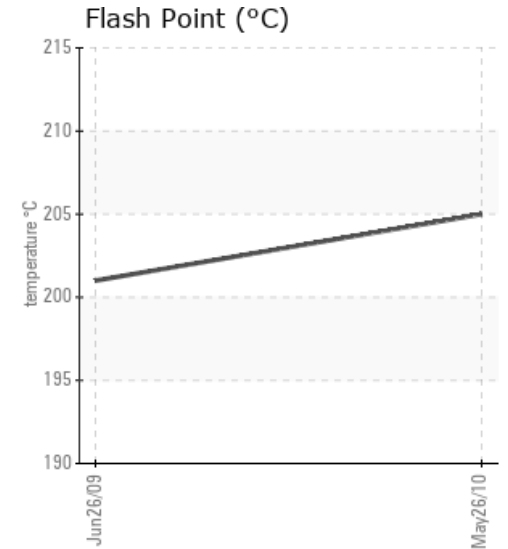
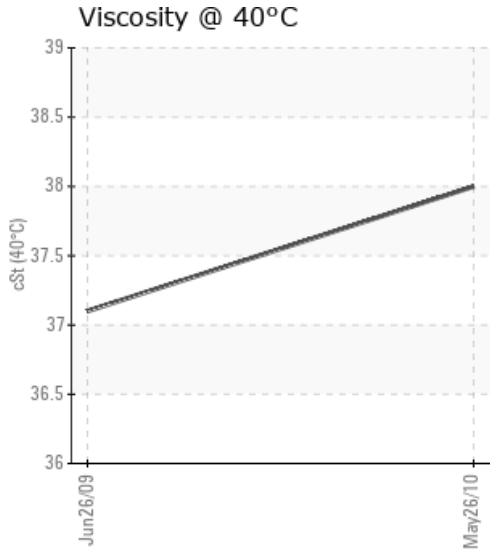
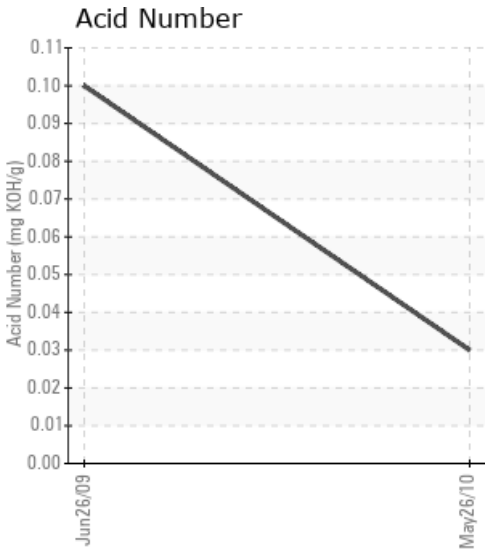
HEAT TRANSFER SYSTEM

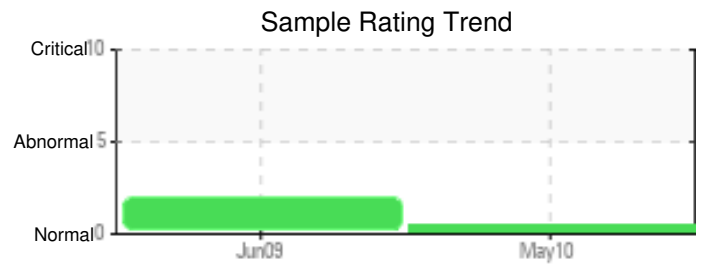
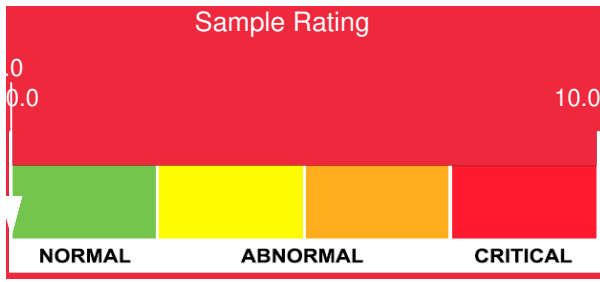
Customer: PTRHTF10024	System Information	Sample Information
LAKESIDE INDUSTRIES 18816 N.E. 80TH STREET REDMOND, WA 98052 US Attn: KIRK COPELAND Tel: (425)868-5400 E-Mail:	System Volume: 0 gal Bulk Operating Temp: 329F / 165C Heating Source: Blanket: Fluid: Make:	Lab No: I-U55348 Analyst: Gaston Arseneault Sample Date: 05/26/10 Received Date: 06/17/10 Completed: 06/24/10 Gaston Arseneault gaston.arseneault@HFSinclair.com

Recommendation: The oil condition looks excellent. The oil is definitely suitable for further use according to the results

Comments: Simulated distillation 90% boiling point is slightly 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	%
05/26/10	06/17/10		PETRO THEM	401 / 205	87	38	0.03	0.026	689 / 365	798 / 426	902 / 483	5.152
06/26/09	06/26/09	6.0h		394 / 201	88	37.1	0.1	0.03	680 / 360		946 / 508	5.7
Baseline Data												

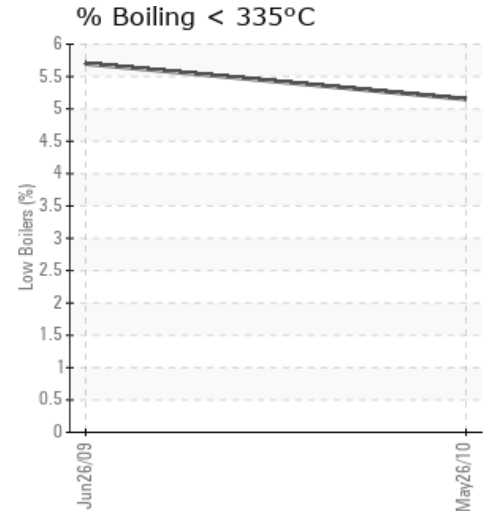
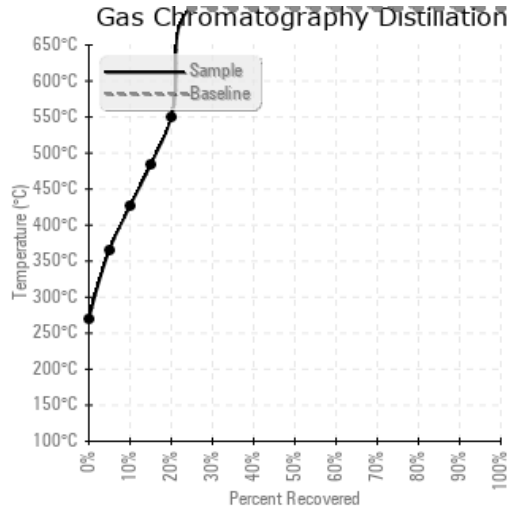




Sample Date	Iron	Chromium	Nickel	Aluminum	Copper	Lead	Tin	Cadmium	Silver	Vanadium	Silicon	Sodium	Potassium	Titanium	Molybdenum	Antimony	Manganese	Lithium	Boron	Magnesium	Calcium	Barium	Phosphorus	Zinc
05/26/10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	3	1
06/26/09	0	0	0	0	0	0	0	0	1	0	0	2		0	0		0			0	0	0	0	0
Baseline Data																								

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

GCD Spectrum



Historical Comments

06/26/09	

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