

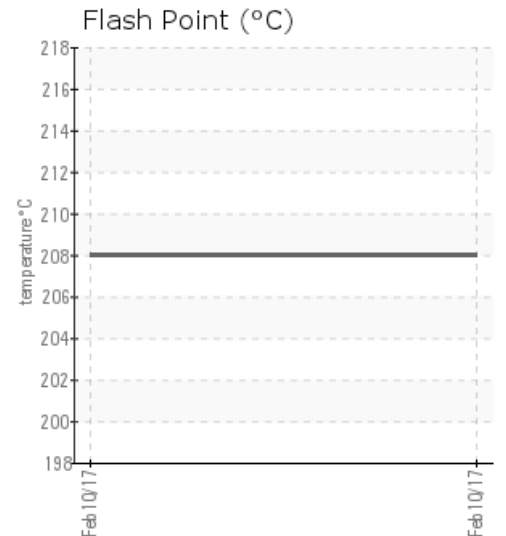
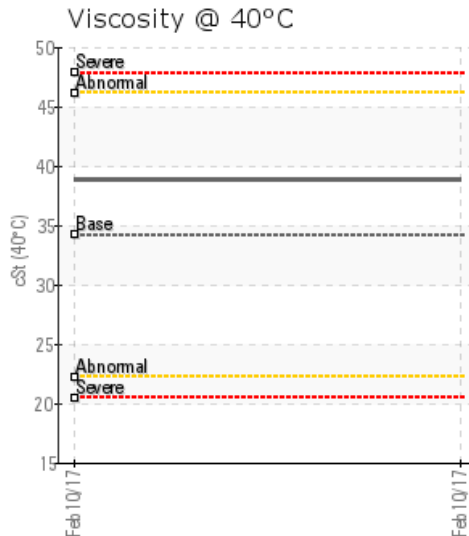
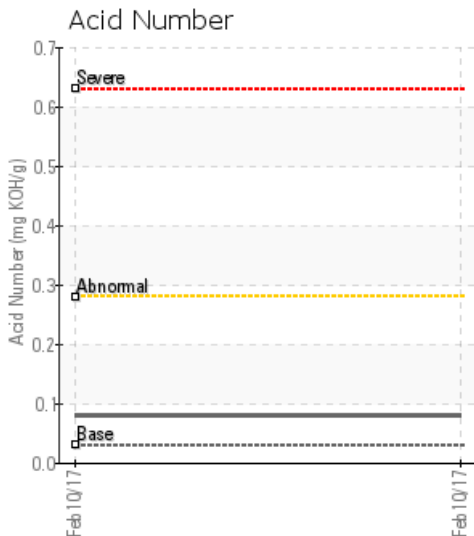
## THERMAL OIL

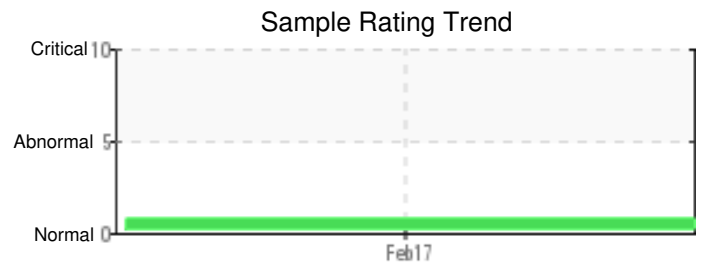
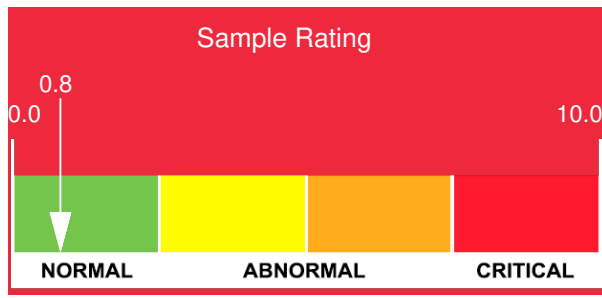
Customer: PTRHTF30101	System Information	Sample Information
Pembroke MDF Inc 777 Fibreboard Drive Pembroke, ON K8A 6W5 Canada Attn: Dan Havis Tel: (613)732-3939 E-Mail: dan.havis@pembrokemdf.com	System Volume: 130000 ltr Bulk Operating Temp: Not Specified Heating Source: Blanket: Fluid: PETRO CANADA PETRO-THERM Make:	Lab No: 02127210 Analyst: Bill Quesnel CLS,OMA II,MLA-III,LLA-I Sample Date: 02/10/17 Received Date: 02/14/17 Completed: 02/27/17 To discuss this report contact Bill

Recommendation: All other parameters are acceptable for this fluid. Continue to monitor at next interval.

Comments: (GCD) 90% Distillation Point is abnormally high.

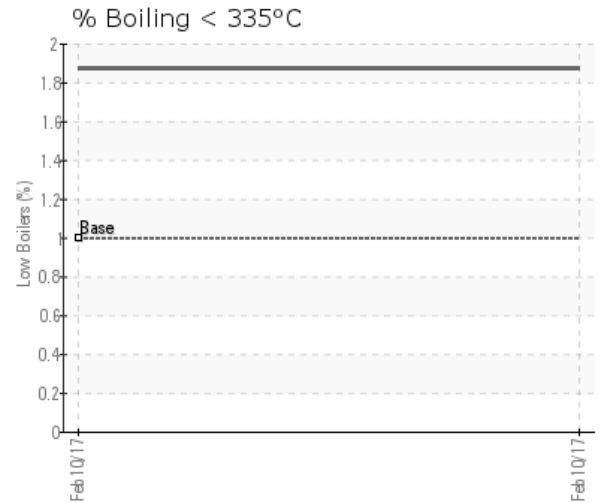
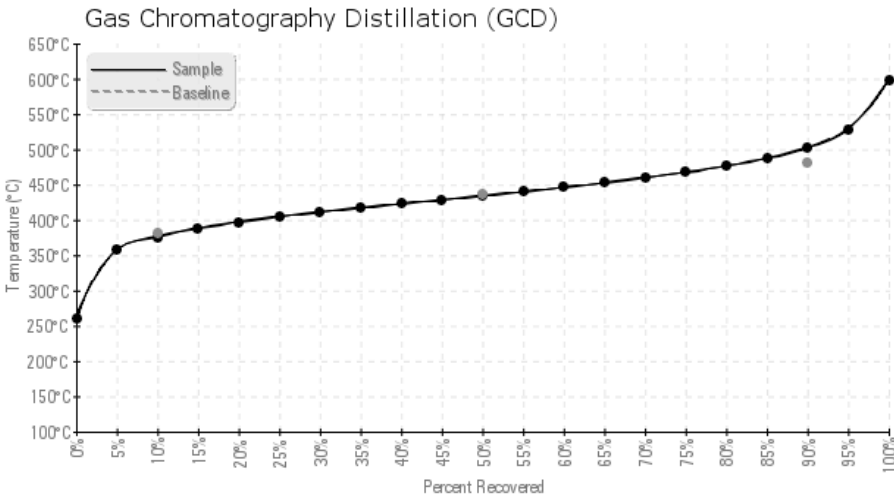
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
02/10/17	02/14/17	0h		406 / 208	6.3	38.8	0.08	0.293	709 / 376	814 / 434	936 / 502	1.87
Baseline Data				433 / 223		34.2	0.03		720 / 382	817 / 436	900 / 482	1.00





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
02/10/17	163	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	2	0	0	0	0	0	1	2
<b>Baseline Data</b>			0	0						0			0	0					0				0	

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



### Historical Comments


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