

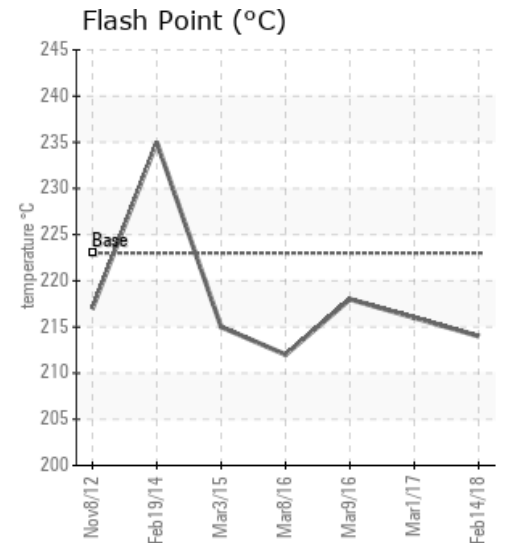
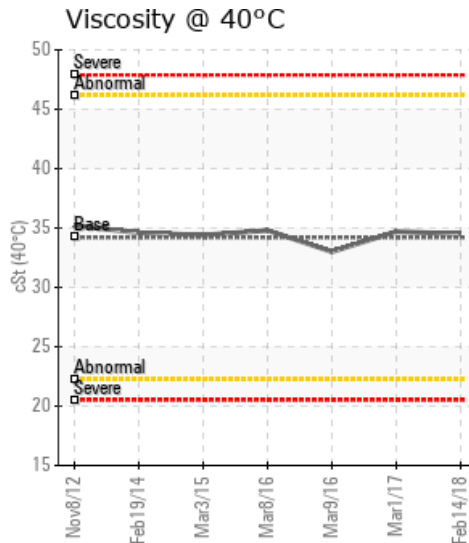
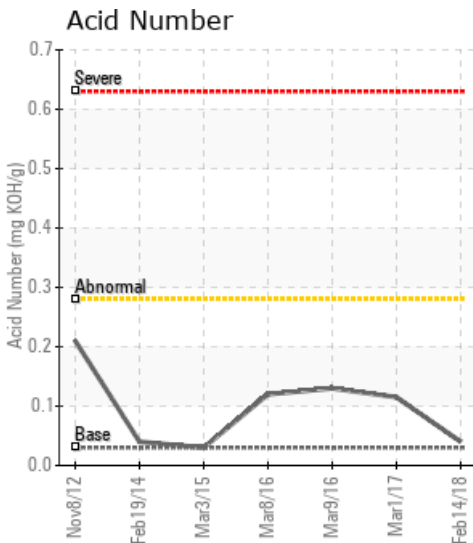
## UPPER TANK FARM

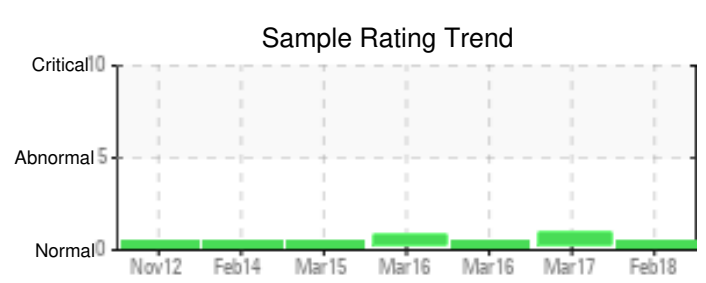
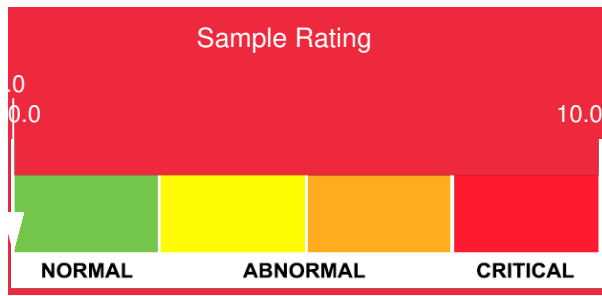
Customer: PTRHTF10125	System Information	Sample Information
TRANSMONTAIGNE 700 RIVER ROAD COVINGTON, KY 41017 USA Attn: ART HILTON Tel: 1(859)331-0900 E-Mail: ahilton@transmontaigne.com	System Volume: 2500 gal Bulk Operating Temp: 300F / 149C Heating Source: Blanket: Fluid: PETRO CANADA PETRO-THERM Make: HEATEC INC	Lab No: 02198975 Analyst: Joe Goecke Sample Date: 02/14/18 Received Date: 02/15/18 Completed: 02/16/18 To discuss this report contact Joe Goecke at (859)543-0092

Recommendation: Sample looks great. Continue to use and resample at next scheduled interval.

Comments:

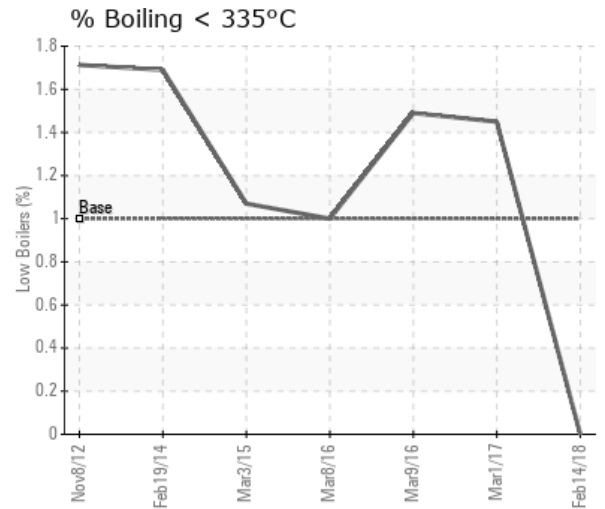
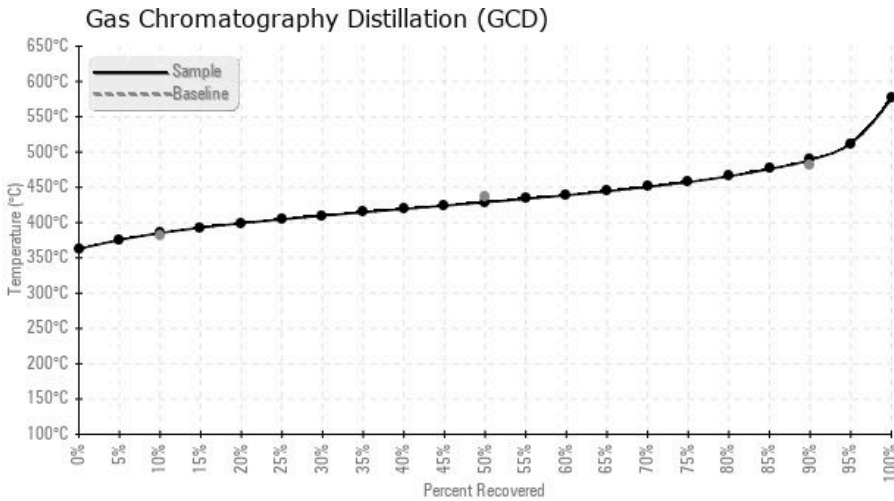
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
02/14/18	02/15/18	6y		417 / 214	5.5	34.5	0.04	0.023	725 / 385	804 / 429	912 / 489	0.00
03/01/17	03/13/17	5y	PUMP	421 / 216	137.6	34.7	0.115	0.029	705 / 374	808 / 431	928 / 498	1.45
03/09/16	03/16/16	0y	BOOSTER PUMP	424 / 218	23.4	33.0	0.13	0.065	702 / 372	804 / 429	915 / 490	1.49
03/08/16	03/16/16	0y	BOOSTER PUMP	414 / 212	29.7	34.8	0.12	0.026	708 / 376	809 / 432	934 / 501	1.00
03/03/15	03/20/15	4380y	UPPER TAND FARM	419 / 215	6.9	34.4	0.03	0.123	704 / 374	804 / 429	906 / 486	1.07
02/19/14	03/05/14	5y	HEATER PAD	455 / 235	31.6	34.6	0.04	0.033	704 / 373	808 / 431	918 / 492	1.69
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
02/14/18	4	0	0	0	0	0	0	1	0	0	3	1	0	0	0	0	0	0	0	0	1	1	45	0
03/01/17	16	0	0	0	0	0	0	6	0	0	3	8	0	0	0	0	0	0	0	0	6	6	61	2
03/09/16	8	0	0	0	0	0	0	2	0	0	4	3	0	0	0	0	0	0	0	0	2	3	53	1
03/08/16	9	0	0	0	0	0	0	2	0	0	3	4	0	0	0	0	0	0	0	0	2	3	55	1
03/03/15	11	0	0	0	0	0	0	5	0	0	4	4	0	0	0	0	0	0	0	0	5	5	60	1
02/19/14	5	0	0	0	0	0	0	3	0	0	3	1	0	0	0	0	0	0	0	0	3	3	50	1
<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	
03/01/17	Oil condition is within range for normal operation. Continue to monitor as normal and resample at next scheduled interval (GCD) 90% Distillation Point is abnormally high.
03/09/16	Oil is in good condition, no issues. Please resample at the next maintenance interval.
03/08/16	Oil is in good condition, no issues. Please resample at the next maintenance interval. (GCD) 90% Distillation Point is abnormally high.
03/03/15	Sample is in good condition. Sample at the next maintenance interval.
02/19/14	While the GCD @ 90% is slightly off spec, the fluid appears to be suitable for continued use. Phos level is off though the impact is not apparent. Continue use. (GCD) 90% Distillation Point is marginally high.