



# **LOWER TANK FARM**

### Customer: PTRHTF10125

TRANSMONTAIGNE 700 RIVER ROAD COVINGTON, KY 41017 US

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# System Information

System Volume: 2500 gal

Bulk Operating Temp: 300F / 149C

Heating Source:

Blanket:

Fluid: PETRO CANADA PETRO-THERM

Make: AMERICAN HEATING

### Sample Information

Lab No: 02626268 Analyst: Joe Goecke Sample Date: 03/11/24 Received Date: 04/02/24 Completed: 04/11/24

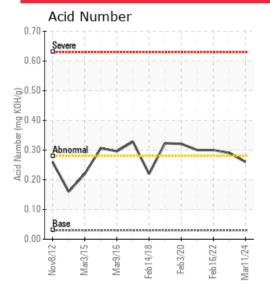
Joe Goecke

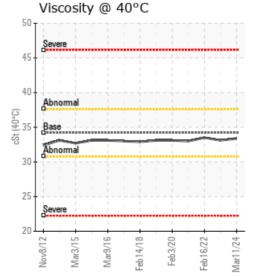
Joe.goecke@HFSinclair.com

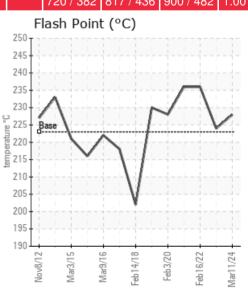
Recommendation: Sample is in great condition and fluid can be used until next scheduled sampling.

### 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	%
03/11/24	04/02/24	12.0y	BOOSTER PUMP	442 / 228	0	33.4	0.26	0.039	705 / 374	800 / 426	901 / 483	1.07
02/21/23	03/16/23	11.0y		435 / 224	0.00	33.1	0.29	0.069	704 / 373	801 / 427	904 / 484	1.49
02/16/22	03/17/22	9.4y		457 / 236	0.00	33.5	0.30	0.065	704 / 373	800 / 427	902 / 483	1.37
03/07/21	03/17/21	8.4y		457 / 236	1.9	33.0	0.30	0.107	699 / 370	787 / 419	884 / 473	1.23
02/03/20	03/09/20	7.3y	BOOSTEN PUMP	442 / 228	0.00	33.1	0.321	0.077	701 / 372	812 / 433	917 / 492	1.57
Baseline Data				433 / 223		34.2	0.03		720 / 382	817 / 436	900 / 482	1.00





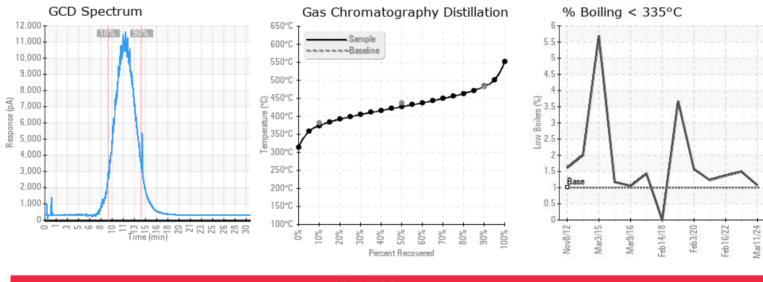




Elemental analysis results (above) in parts per million (ppm). [10,000 ppm = 1.0%]

0

Baseline Data



Historical Comments							
02/21/23	Sample does not show any signs of degradation. Continue to use and resample at next scheduled interval. Acid Number (AN) is abnormally high.						
02/16/22	All parameters are consistent with last sample. continue to use and resample at next scheduled interval. Acid Number (AN) is abnormally high.						
	Acid number is high but in line with where it has been. I would suggest a partial exchange of this oil since it has been high for a while. All other parameters look great and can be continued to be used as planned. Acid Number (AN) is abnormally high.						
02/03/20	Product looks very good. Minimal acid build up with all other numbers in line. Continue to use and resample at next scheduled interval. Acid Number (AN) is abnormally high.						

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