

LINE 2 HOT OIL SYSTEM

Customer: PTRHTF10059

CERTAINTEED - SAINT GOBAIN

11519 US RT 250 N MILAN, OH 44846 US Attn: DAVE BLAKELY Tel: (419)541-0843

E-Mail: dave.l.blakely@saint-gobain.com

System Information

System Volume: 1265 gal

Bulk Operating Temp: 480F / 249C

Heating Source:

Blanket:

Fluid: PETRO CANADA CALFLO AF

Make: FIRST THERMOL

Sample Information

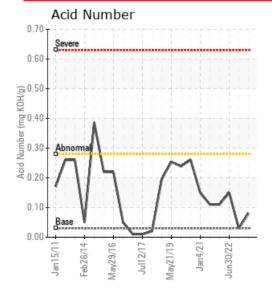
Lab No: 02572804 Analyst: Yvette Trzcinski Sample Date: 06/23/23 Received Date: 07/27/23 Completed: 08/03/23 Yvette Trzcinski

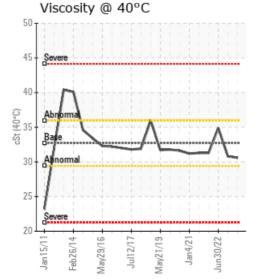
yvette.trzcinski@HFSinclair.com

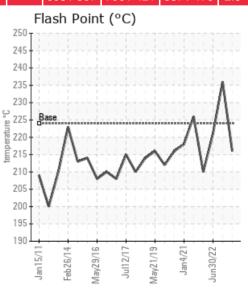
Recommendation: Viscosity, acid number, flash point and GCD distillation all in specification product is suitable for contiued service resample in 9-12 months

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	%
06/23/23	07/27/23	0.0y	sample port	421 / 216	6.7	30.6	0.08	0.063	707 / 375	801 / 427	899 / 482	1.39
01/16/23	01/30/23	0.0y	sample port	457 / 236	10.0	30.8	0.03	0.179	702 / 372	800 / 427	896 / 480	2.12
06/30/22	07/21/22	0.0y	sample port	430 / 221	2.5	34.9	0.15	0.065	705 / 374	800 / 427	900 / 482	1.22
01/12/22	02/18/22	0.0y	sample port	410 / 210	10.9	31.3	0.11	0.136	697 / 369	797 / 425	897 / 481	2.54
09/17/21	10/05/21	0.0y	SAMPLE PORT	439 / 226	18.8	31.3	0.11	0.114	704 / 373	799 / 426	899 / 482	1.17
Baseline Data				435 / 224		32.7	0.03		693 / 367	790 / 421	887 / 475	2.5

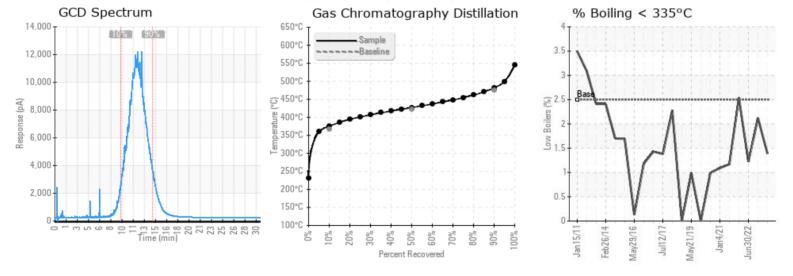








Elemental analysis results (above) in parts per million (ppm). [10,000 ppm = 1.0%]



Historical Comments								
01/16/23	Viscosity has decreased by 10% but the acid number, GCD distillation temperatures, flash point and solids are all at acceptable levels. Resample in 9-12 months							
06/30/22	The viscosity and acid number have increased slightly from the last sample but the solids and flash point are all at very acceptable levels. The fluid is acceptable for continued service, re-sample at your next normal sample interval							
01/12/22	There has been some slight degradation as can be seen by the slight reduction in flash point and increase in the insolubles but viscosity, flash point, GCD boiling points and solids (pentane insolubles) are within specification and acceptable for continued service. Resample in 6-12 months							
09/17/21	All the sample specifications flash point, viscosity, acid number, solids and GCD results are within specifications sample fluid is acceptable for continued service. Resample in 12 months							

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