



## STILLYARD HOT OIL SYSTEM

## Customer: PTRHTF10094

CERTAINTEED CORPORATION -OXFORD 200 CERTAINTEED RD OXFORD, NC 27565 USA

Attn: Seth Newton Tel: (919)693-1141

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System Information
System Volume: 0 gal

Bulk Operating Temp: 0F / -18C

Heating Source:

Blanket:

Fluid: PETRO CANADA PETRO-THERM

Make:

Sample Information

Lab No: 02450766 Analyst: Manny Garcia Sample Date: 10/01/21 Received Date: 10/18/21 Completed: 10/22/21

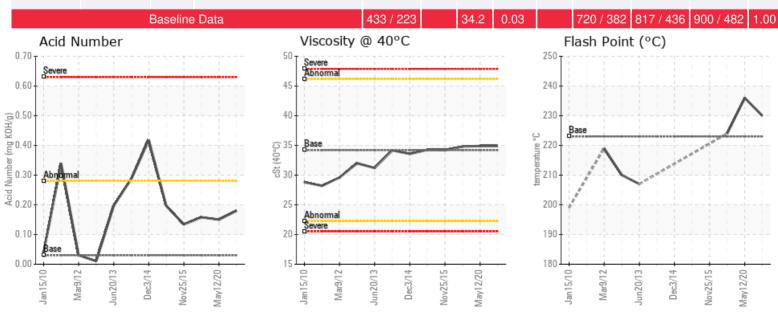
Manny Garcia

manuel.garcia@hollyfrontier.com

Recommendation: Fluid condition looks excellent. Please re-submit next oil sample in October 2022

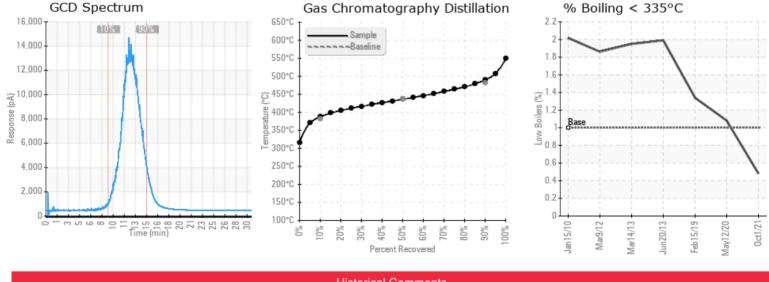
Comments:

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	%
10/01/21	10/18/21	0.0m		446 / 230	16.2	34.9	0.18	0.055	729 / 387	817 / 436	913 / 490	0.48
05/12/20	07/06/20	5.0m		457 / 236	22.8	34.9	0.15	0.191	723 / 384	813 / 434	912 / 489	1.08
02/15/19	02/28/19	1.0m	DRAIN POINT	435 / 224	9.7	34.8	0.158	0.029	698 / 370	788 / 420	892 / 478	1.34
11/25/15	11/27/15	0.0m				34.2	0.134					
04/15/15	04/21/15	0.0m				34.26	0.196					
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%]



Historical Comments							
05/12/20	Despite the dark appearance, which is normal for hot oils, the sample shows nothing abnormal or marginal to act upon. Re-sample at next scheduled interval.						
02/15/19	Glad to see this system back on our normal Hot Oil testing program. All parameters are within acceptable limits, contamination by water is barely detectable, oxidation is very mild. Keep monitoring along with the other systems. No action needed at this time.						
11/25/15	Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the component. The amount and size of particulates present in the system is acceptable. The AN level is acceptable for this fluid. The condition of the fluid is suitable for further service.						
04/15/15	Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. There is no indication of any contamination in the component. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.						

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