



# **ENNIS HOT OIL SYSTEM**

## Customer: PTRHTF10112

CERTAINTEED - SAINT GOBAIN

2901 N KAUFMAN ST ENNIS, TX 75119 USA Attn: David Sundstrom Tel: (469)387-6752

E-Mail: david.sundstrom@saint-

gobain.com

## System Information

System Volume: 2000 gal

Bulk Operating Temp: 525F / 274C

Heating Source:

Blanket:

Fluid: PETRO CANADA CALFLO AF

Make:

#### Sample Information

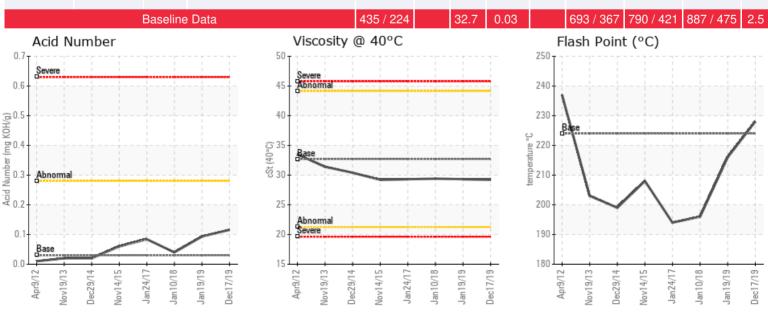
Lab No: 02329280

Analyst: Gaston Arseneault Sample Date: 12/17/19 Received Date: 12/30/19 Completed: 01/03/20

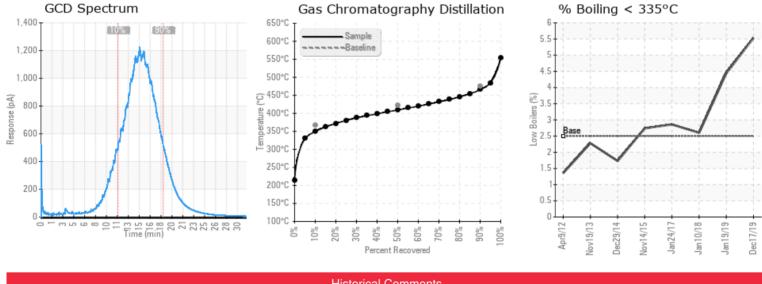
Recommendation: Nothing changed since the last sample. The oil condition looks acceptable and no action appears to be needed at this time. Viscosity is normal, flash point is high, other properties are normal. Re-sample at next scheduled interval.

#### 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	%	
12/17/19	12/30/19	9у	MAIN PUMP	442 / 228	12.5	29.2	0.116	0.117	661 / 349	769 / 409	870 / 465	5.53	
01/19/19	02/04/19	8y	MAIN PUMPS	421 / 216	22.1	29.3	0.093	0.015	668 / 354	775 / 413	879 / 470	4.44	
01/10/18	03/22/18	84y		385 / 196	2.8	29.4	0.04	0.093	682 / 361	784 / 418	894 / 479	2.60	
01/24/17	02/13/17	66y	MAIN LOOP PUMP	381 / 194	17.8	29.3	0.084	0.085	689 / 365	796 / 424	899 / 482	2.86	
11/14/15	11/30/15	55y	MAIN LOOP	406 / 208	30.9	29.2	0.06	0.256	690 / 365	795 / 424	894 / 479	2.74	
		Baseline	Data	435 / 224		32.7	0.03		693 / 367	790 / 421	887 / 475	2.5	
Acid Number			Viscosity @ 40°C					Flash Point (°C)					







	Historical Comments							
01/19/19	The oil condition looks acceptable and no action appears to be needed at this time. Viscosity is normal, flash point is high, other properties are normal. Resample at next scheduled interval.							
01/10/18	The fluid condition appears normal at this time. No action needed other than re-sample at next scheduled interval.							
01/24/17	The fluid is in good condition. viscosity remains normal, no apparent contamination, oxidation is minimal. We recommend to sample at the next scheduled internal.							
11/14/15	Fluid is suitable for continued use.							

Petro-Canada makes no representation or warranty of any kind, either express or implied, as to the accuracy or completeness of the analysis and assumes no responsibility and shall have no liability whatsoever with respect to such analysis, or a party's use of it. Petro-Canada is a division of HollyFrontier Corporation.