



TFS H/O SYSTEM #2

Customer: PTRHTF10176	System Information	Sample Information
CERTAINEED ROOFING 100 CERTAINEED DR JONESBURG, MO 63351 USA Attn: Randy Smith Tel: (636)791-3651 E-Mail: randy.smith@saint-gobain.com	System Volume: 3738 gal Bulk Operating Temp: 525F / 274C Heating Source: Blanket: Fluid: PETRO CANADA CALFLO AF Make: FSE	Lab No: 02263396 Analyst: Gaston Arseneault Sample Date: 01/08/19 Received Date: 01/21/19 Completed: 01/22/19

Recommendation: The results are almost identical to the satisfactory results from 6 months ago. No action needed at this time besides re-sampling in about 6-9 months time.

Comments: COC Flash Point is marginally low.

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	%
01/08/19	01/21/19	0m		374 / 190	15.0	28.9	0.137	0.096	667 / 353	771 / 411	874 / 468	4.32
04/09/18	04/20/18	17m		370 / 188	26.7	29.0	0.150	0.077	674 / 356	780 / 416	884 / 473	3.95
02/16/18	03/07/18	28m		370 / 188	15.1	28.9	0.147	0.072	691 / 366	781 / 416	888 / 475	0.00
04/20/17	05/01/17	17m	STRAINER MAIN PUMP	403 / 206	106.9	31.5	0.04	0.127	693 / 367	801 / 427	926 / 497	2.51
03/15/17	04/05/17	16m	STRAINER NR MAIN PMP	399 / 204	23.2	29.7	0.04	0.075	693 / 367	797 / 425	896 / 480	2.23
Baseline Data				435 / 224		32.7	0.03		693 / 367	790 / 421	887 / 475	2.5



