



## WFF HOT OIL

Customer: PTRHTF10166	System Information	Sample Information
ASCEND PERFORMANCE MATERIALS 1050 CHEMSTRAND AVE HWY 20 DECATUR, AL 35601 USA Attn: Nicholas Ward Tel: (256)552-2048 E-Mail: nward@ascendmaterials.com	System Volume: 450 gal Bulk Operating Temp: 446F / 230C Heating Source: Blanket: Fluid: PETRO CANADA CALFLO HTF Make: HEAT EXCHANGE AND	Lab No: 02392135 Analyst: Jake Finn Sample Date: 12/07/20 Received Date: 12/10/20 Completed: 12/16/20 Jake Finn jake.finn@petrocanadalsp.com

Recommendation: Water contamination levels are severely high and insolubles (solids) are present within the sample. Otherwise, the sample appears to show no signs of wear in the system or fluid degradation. We hope the high level of water and solids is due to insufficient flushing of the sampling valve or lines, or condensation of the sample itself. Please resubmit a new sample from an active line of the system, ensuring the sample line is thoroughly flushed and the system is run hot enough to boil off any remaining water in the system before sampling.

Comments: Water contamination levels are severely high. Pentane Insolubles levels are severely high.

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	%
12/07/20	12/10/20	0m	Initial for baseline	457 / 236	5243.7	36.1	0.06	0.560	731 / 388	815 / 435	909 / 487	0.06
Baseline Data				448 / 231		35.20	.1		712 / 378	810 / 432	910 / 488	1.75



