



[SUNCOR MACKAY RIVER] TANK 750

Customer: PTRHTF20196	System Information	Sample Information
SUNCOR ENERGY MACKAY RIVER PROJECT DOCK M FORT MCMURRAY, AB T9H 4W1 Canada Attn: Patrick Spargo Tel: (780)792-2977	System Volume: 13000 ltr Bulk Operating Temp: 518F / 270C Heating Source: Blanket: Fluid: PETRO CANADA CALFLO HTF Make:	Lab No: 02218642 Analyst: Benjamin Latorre Sample Date: 05/17/18 Received Date: 05/28/18 Completed: 08/28/18 To discuss this report contact Benjamin Latorre at (587)275-0499

Recommendation: 1. Locate and correct source of recurring water contamination. Check heat exchanger for leaks. 2. Check low lying areas of the system, such as the expansion tank, where water can be trapped. 3. Consider removal of water vapor by venting and addition of nitrogen to the expansion tank head space. Resample initially at 500 hours after correcting source/removal of water contamination. If it has stopped, resample oil at longer intervals.

Comments: Water contamination levels are severely high. Water contamination levels are severely high.. ppm Water contamination 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	%
05/17/18	05/28/18	2d	HOT TANK OIL #1	464 / 240	4968.5	36.2	0.026	0.034	729 / 387	813 / 434	906 / 486	0.00
Baseline Data				448 / 231		35.20	.1		712 / 378	810 / 432	910 / 488	1.75



