



[8-17-29-22W4] ATCO ENERGY SOLUTIONS

Customer: PTRHTF20241	System Information	Sample Information
ATCO ENERGY BOX 370 CARBON, AB T0M 0L0 Canada Attn: Andrew Hockett Tel: (780)914-3978 E-Mail: andrew.hockett@atco.com	System Volume: 3000 ltr Bulk Operating Temp: 347F / 175C Heating Source: Blanket: Fluid: CHEVRON HEAT TRANSFER OIL 46 Make:	Lab No: 02375853 Analyst: Kevin McDermott Sample Date: 09/10/20 Received Date: 09/15/20 Completed: 09/19/20 Kevin McDermott kevin.mcdermott@petrocanadalsp.com

Recommendation: Fluid is generally in very good condition. Silicon & Sodium (external contaminants) levels are unusually high.

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	%
09/10/20	09/15/20	5y		468 / 242	29.0	41.1	0.01	0.111	749 / 399	846 / 452	938 / 503	0.41
Baseline Data				464 / 240		41.1			727 / 386	828 / 442	932 / 500	1.4



