



# H-60

Customer: PTRHTF20208	System Information	Sample Information
Plains Midstream Canada PO Box 3210 Range Road 221 Fort Saskatchewan, AB T8L 2T2 Canada Attn: Marlon Gonzalez Tel: (780)992-2724 E-Mail:	System Volume: 1000 ml Bulk Operating Temp: 482F / 250C Heating Source: Blanket: Fluid: HEAT TRANSFER FLUID ISO 32 Make:	Lab No: 02258646 Analyst: Peter Harteveld Sample Date: 12/04/18 Received Date: 12/20/18 Completed: 12/24/18

Recommendation: This analysis report serves as the baseline reference for future top-up with Petro-Therm. The system is filled with Esso Thermoil 32. The fluid is in good condition and suitable for further use. The low 10% GCD temperature in combination with high boil-off % below 335 degrees C indicates thermal degradation of the fluid which is normal for these types of organic fluids. Venting of low boiler vapor to atmosphere is recommended as part of preventative maintenance. Please re-sample in 12 months. When sending in a sample please fill in oil service life, blanket gas and system volume data on the analysis request form.

### 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	%
12/04/18	12/20/18	0h		410 / 210	2.4	30.6	0.015	0.043	659 / 348	784 / 418	874 / 468	5.72
Baseline Data				410 / 210		32	0.41		707 / 375	802 / 428	910 / 488	1.5



