



**[6-18-72-7W5] P690A**

Customer: PTRHTF20265	System Information	Sample Information
IPC CANADA LTD 6-18-72-7W5 SLAVE LAKE, AB T0G 2A0 Canada Attn: Todd Laing Tel: (780)849-0635 E-Mail: todd.laing@international-petroleum.com	System Volume: 3822 ltr Bulk Operating Temp: 500F / 260C Heating Source: Blanket: Fluid: PETRO CANADA PETRO-THERM Make: PETRO-TECH HEATERS	Lab No: 02489576 Analyst: Clinton Buhler Sample Date: 04/22/22 Received Date: 05/18/22 Completed: 05/25/22 Clinton Buhler Clinton.Buhler@hollyfrontier.com

Recommendation: Sample Results indicate the fluid is in suitable condition for continued service. Please re-sample in 12 months

Comments: (GCD) 90% Distillation Point is marginally 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	%
04/22/22	05/18/22	10.0y	Pump discharge	399 / 204	42.2	34.8	0.04	0.048	724 / 385	814 / 435	919 / 493	1.14
Baseline Data				433 / 223		34.2	0.03		720 / 382	817 / 436	900 / 482	1.00



