



[PUMP SUCTION 16-03-65-18WSU] ATHABASCA

Customer: PTRHTF20046	System Information	Sample Information
QUADRA CHEMICALS 12925 146TH STREET EDMONTON, AB T5L 2H6 CANADA Attn: Ada Aponte Tel: E-Mail: Ada_Aponte@quadra.ca	System Volume: 0 gal Bulk Operating Temp: Not Specified Heating Source: Blanket: Fluid: HEAT TRANSFER FLUID ISO 32 Make:	Lab No: 02222191 Analyst: Peter Harteveld Sample Date: 06/11/18 Received Date: 06/14/18 Completed: 07/03/18 To discuss this report contact Peter Harteveld at (780)967-4234

Recommendation: The water content of the fluid is elevated. It is recommended to boil off the water. The fluid shows indications of thermal degradation. % low boiler vapor (<335C.) is high and 10% GCD temperature low. The fluid is suitable for further use.

Comments: Water contamination levels are marginally high. Water contamination levels are marginally high.. ppm Water contamination levels are marginally high. (GCD) % < 335°C is abnormally high. (GCD) 10% Distillation Point is abnormally low. (GCD) 90% Distillation Point is abnormally low.

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	%
06/11/18	06/14/18	2y	16-03-65-18WSM	442 / 228	595.3	33.8	0.015	0.066	665 / 352	782 / 417	899 / 482	6.03
Baseline Data				410 / 210		32	0.41		707 / 375	802 / 428	910 / 488	1.5



