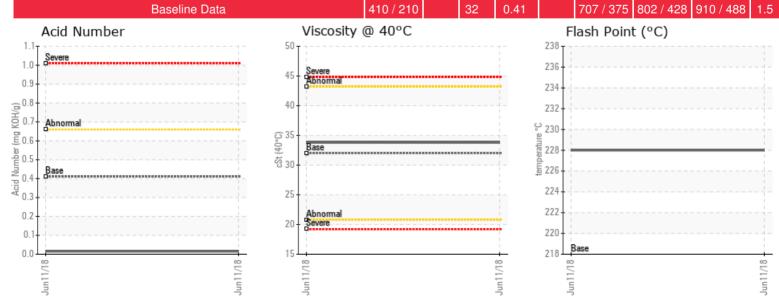


QUADRA CHEMICALS	System Volume: 0 gal	Lab No: 02222191
12925 146TH STREET	Bulk Operating Temp: Not Specified	Analyst: Peter Harteveld
EDMONTON, AB T5L 2H6 CANADA	Heating Source:	Sample Date: 06/11/18
Attn: Ada Aponte	Blanket:	Received Date: 06/14/18
Tel:	Fluid: HEAT TRANSFER FLUID ISO 32	Completed: 07/03/18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

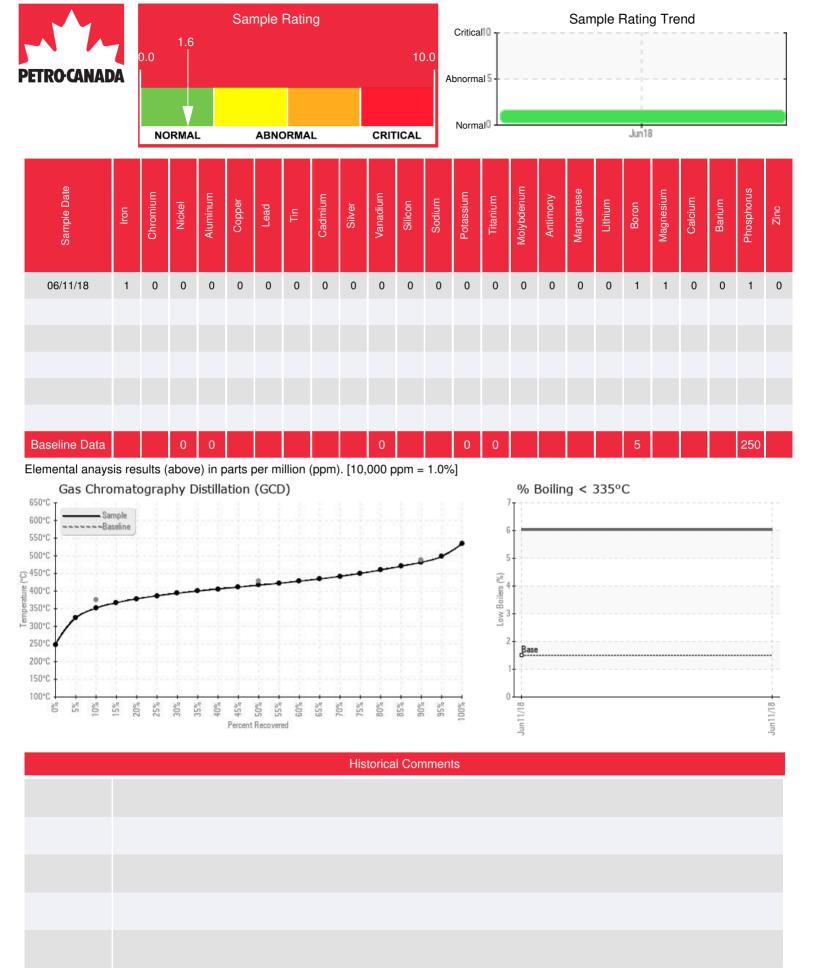
Recommendation: The water content of the fluid is elevated. It is recommended to boil off the water. The fluid shows indications of thermal degradation. % low boiler vapor (<335C.) is high and 10% GCD temperature low. The fluid is suitable for further use.

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	2у	16-03-65-18WSM	442 / 228	<u>595.3</u>	33.8	0.015	0.066	665 / 352	782 / 417	899 / 482	6.03



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