

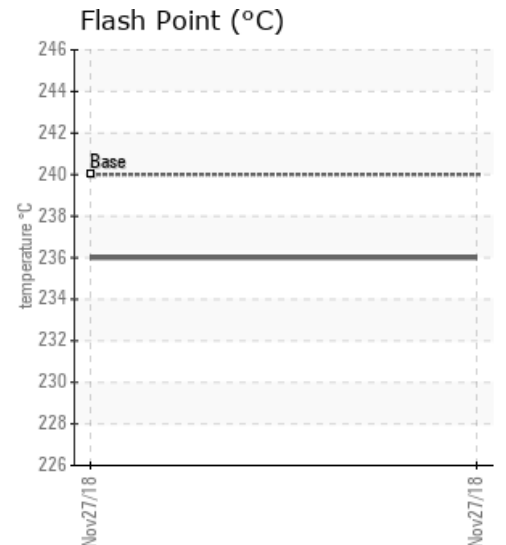
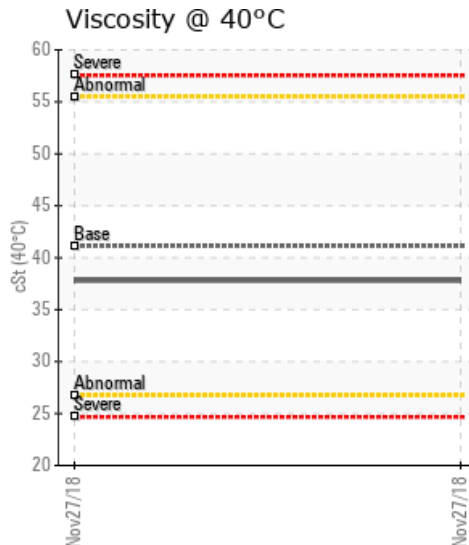
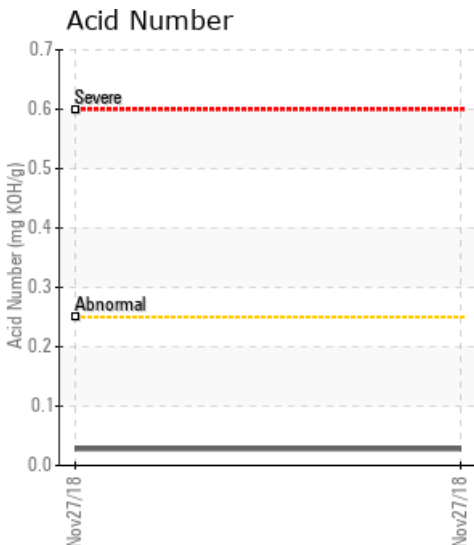
[ / 7-11-064-03W6 / ] FRESH HM

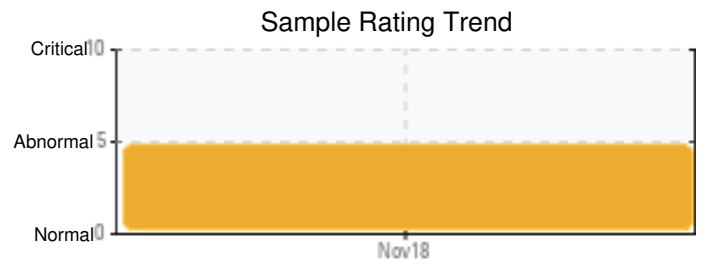
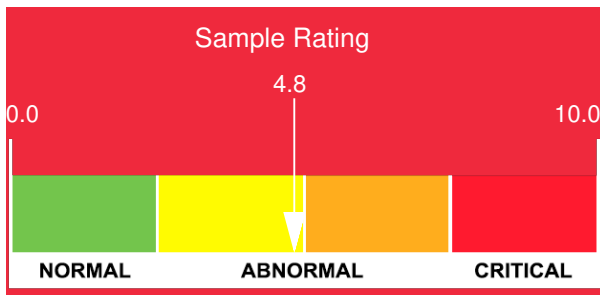
Customer: PTRHTF20207	System Information	Sample Information
SEVEN GENERATIONS ENERGY LTD 7-11-064-03W6 GRANDE PRAIRIE, AB T8V 8H7 Canada Attn: Justin Dery Tel: (587)435-4480 E-Mail: justin.dery@7genenergy.com	System Volume: 8000 ltr Bulk Operating Temp: 302F / 150C Heating Source: Blanket: Fluid: CHEVRON HEAT TRANSFER OIL 46 Make: PETRO TECH	Lab No: 02255770 Analyst: Clinton Buhler Sample Date: 11/27/18 Received Date: 12/07/18 Completed: 12/19/18

Recommendation: it is understood that these results reflect the new fluid held in bulk storage on-site. Results indicate that the fluid is suitable for service, but care needs to be taken as there is nearly 2800 ppm water contamination. When placed into service, this fluid will need to be vented to allow the steam to safely exit. If possible, drain any excess water from bottom of storage tank.

Comments: Water contamination levels are severely high.

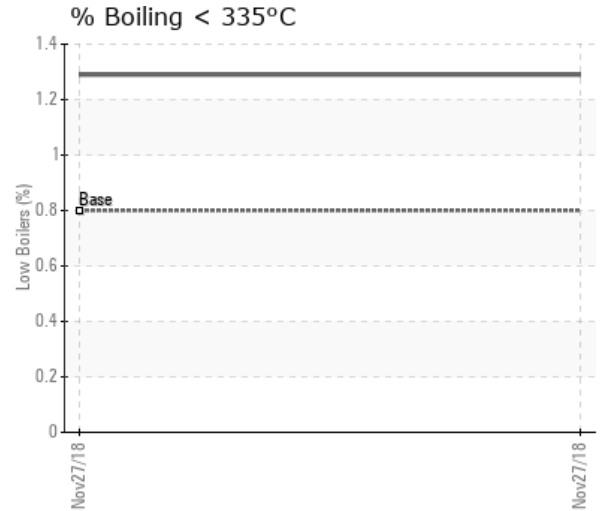
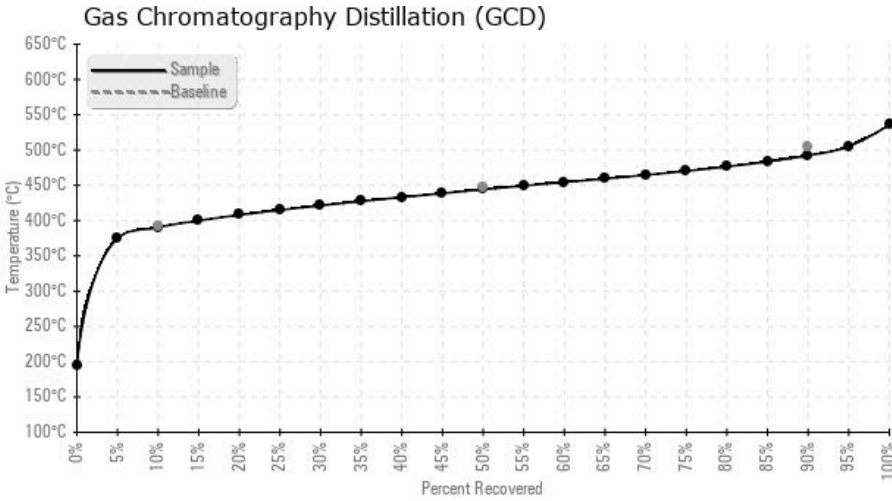
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
11/27/18	12/07/18	0h		457 / 236	2799.8	37.8	0.028	0.140	735 / 390	831 / 444	918 / 492	1.29
Baseline Data				464 / 240		41.1			739 / 393	836 / 447	941 / 505	0.8





Sample Date	Iron	Chromium	Nickel	Aluminum	Copper	Lead	Tin	Cadmium	Silver	Vanadium	Silicon	Sodium	Potassium	Titanium	Molybdenum	Antimony	Manganese	Lithium	Boron	Magnesium	Calcium	Barium	Phosphorus	Zinc
11/27/18	4	0	0	0	0	0	0	0	0	0	3	3	0	0	0	0	0	0	0	0	3	0	2	1
<b>Baseline Data</b>			0	0						0			0	0					0				0	

Elemental analysis results (above) in parts per million (ppm). [10,000 ppm = 1.0%]



### Historical Comments


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