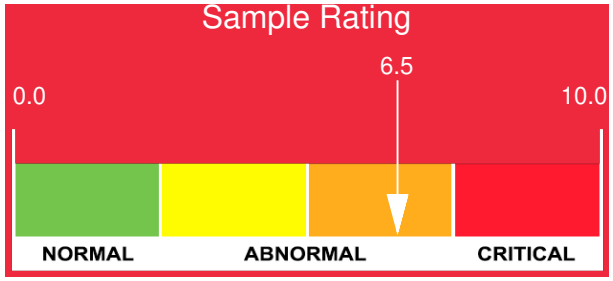
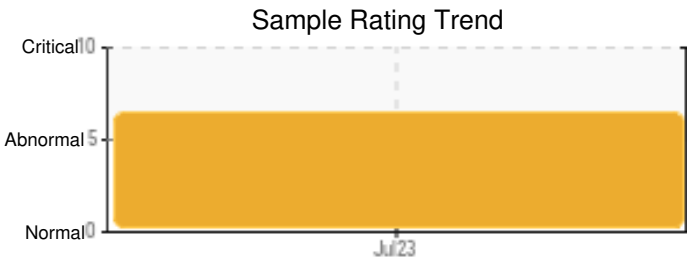




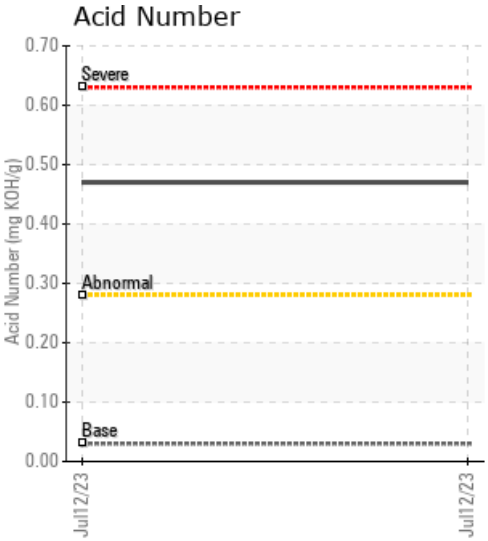
NOT GIVEN TR0001116

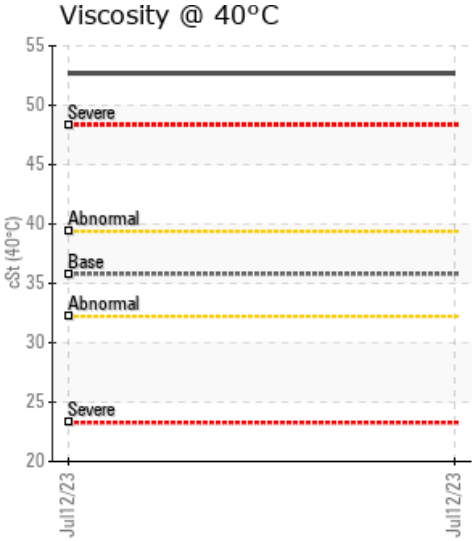
Customer:	System Information	Sample Information
STAKER PARSON 33 S 900 E BRIGHAM CITY, UT 84403 US Attn: Service Manager Tel: E-Mail:	System Volume: 0 qts Bulk Operating Temp: Not Specified Heating Source: Blanket: Fluid: PETRO CANADA PETRO-THERM Make:	Lab No: 05900700 Analyst: Doug Bogart Sample Date: 07/12/23 Received Date: 07/17/23 Completed: 08/03/23 Doug Bogart dougb@wearcheckusa.com

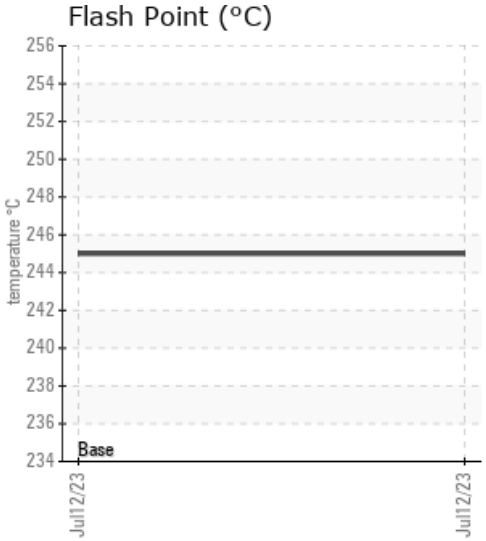
Recommendation: The fluid is highly oxidized as indicated by the increase in the fluid boiling points, and the large increase in viscosity. As a result the system heating efficiency will be greatly reduced. Recommend schedule the system for a fluid change-out in the near future. Distillation, Solids and evaluation performed at performed at WearCheck Canada.

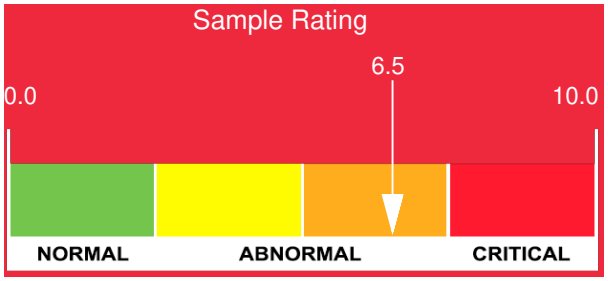
Comments: Pentane Insolubles levels are severely high. (GCD) 90% Distillation Point is severely high. Visc @ 40°C is severely high. Acid Number (AN) is abnormally high. (GCD) 50% Distillation Point is abnormally high. Visc @ 100°C is abnormally high. Viscosity Index (VI) is abnormally high. (GCD) 10% Distillation Point is marginally high.

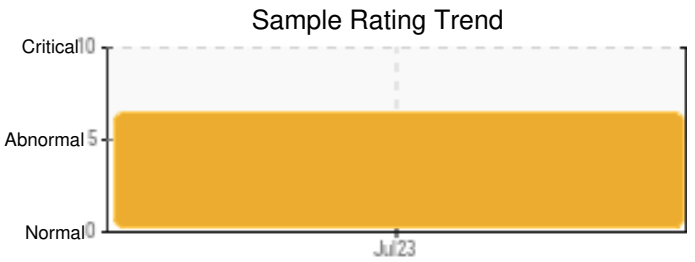
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
07/12/23	07/17/23	0.0m		473 / 245	53.2	52.69	0.47	0.880	751 / 399	865 / 463	976 / 525	2.01
Baseline Data				437 / 225		35.8	0.03		720 / 382	817 / 436	900 / 482	1.00







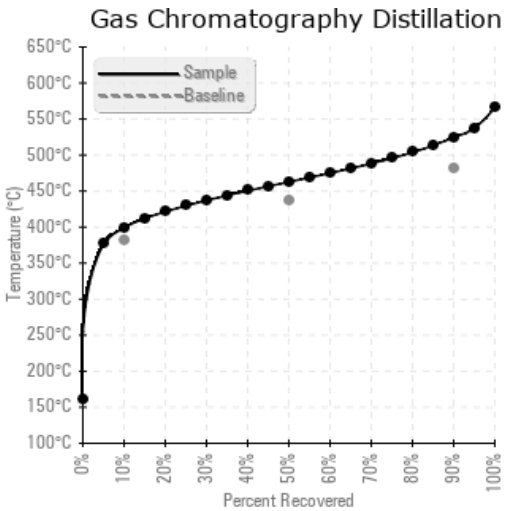


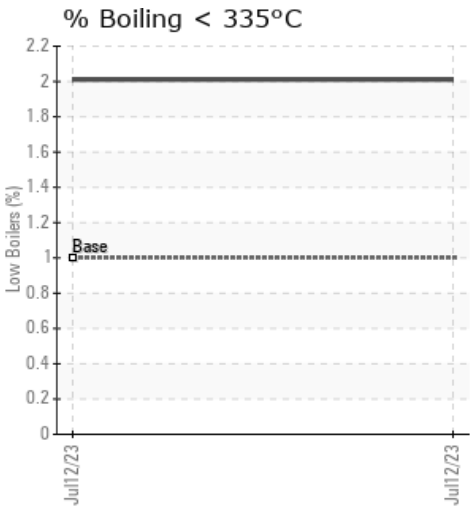


Sample Date	Iron	Chromium	Nickel	Aluminum	Copper	Lead	Tin	Cadmium	Silver	Vanadium	Silicon	Sodium	Potassium	Titanium	Molybdenum	Antimony	Manganese	Lithium	Boron	Magnesium	Calcium	Barium	Phosphorus	Zinc
07/12/23	32	0	0	0	0	0	1	0	0	0	0	0	2	0	0		0		0	0	0	0	0	0
Baseline Data			0	0						0			0	0				0	0				0	

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

GCD Spectrum





Historical Comments

