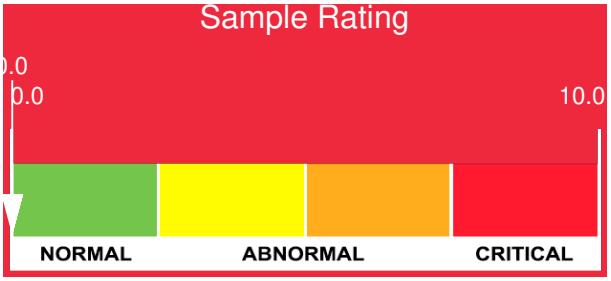
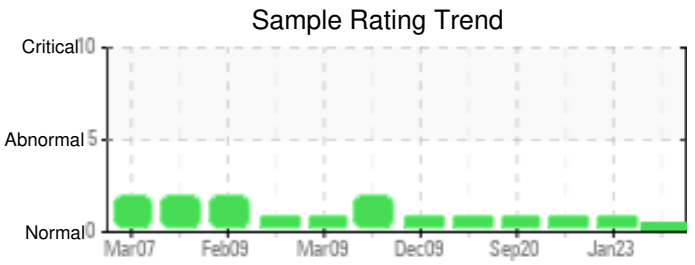




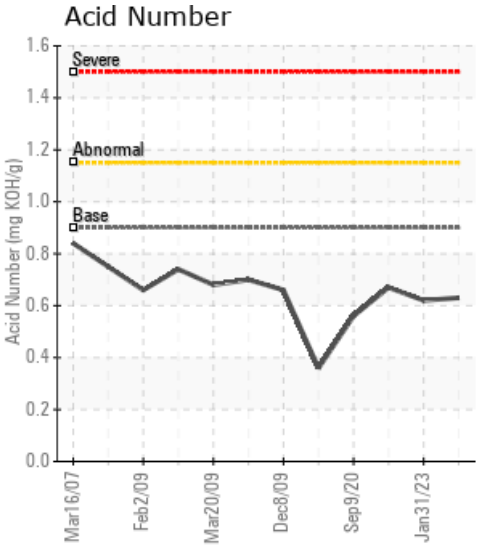
KUIPER (MAXXTEC)

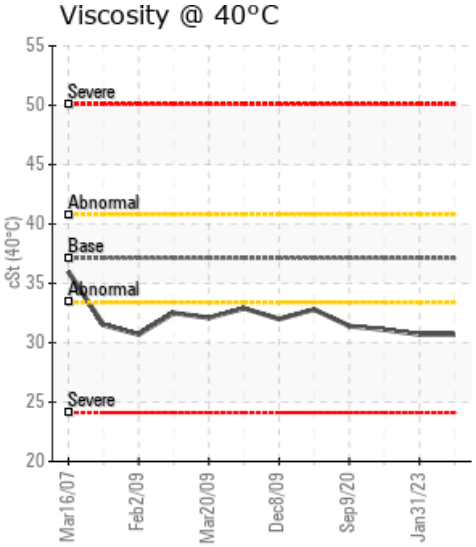
Customer: PTRHTF40048	System Information	Sample Information
PIET DE WIT SNACKS ALUMINIUMSTRAAT 84 ZOETERMEER 2718RA ZOETERMEER, 2718RA NL Attn: WILBERT SNIJERS Tel: E-Mail: w.snijers@klt.nl	System Volume: 0 ltr Bulk Operating Temp: 300F / 149C Heating Source: Blanket: Fluid: PETRO CANADA PURITY FG HEAT TRANSFER FLUID Make: KUIPER	Lab No: 02589434 Analyst: Bill Quesnel CLS,OMA II,MLA-III,LLA-I Sample Date: 10/10/23 Received Date: 10/16/23 Completed: 11/06/23 Bill Quesnel CLS,OMA II,MLA-III,LLA-I

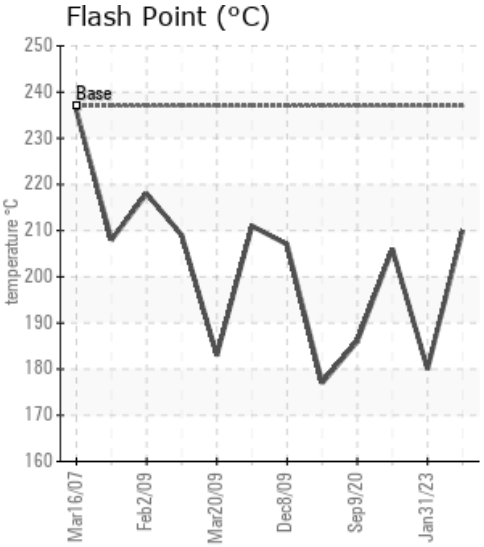
Recommendation: The fluid is suitable for further service. Resample at the next service interval to monitor.

Comments:

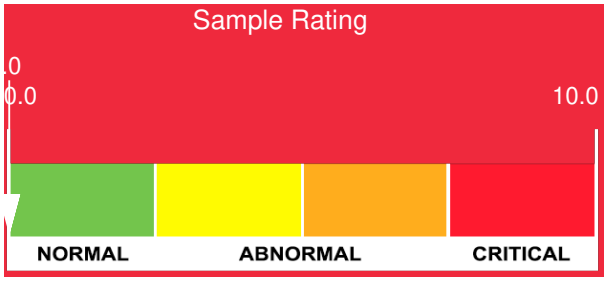
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
10/10/23	10/16/23	17.0y		410 / 210	17.7	30.7	0.63	0.043	696 / 369	803 / 429	894 / 479	4.86
01/31/23	02/06/23	16.5y		356 / 180	25.4	30.7	0.62	0.055	699 / 370	804 / 429	894 / 479	4.74
01/15/21	01/22/21	14.5y		403 / 206	25.9	31.1	0.67	0.219	702 / 372	805 / 429	893 / 478	4.27
09/09/20	09/15/20	13.5y		367 / 186	20.8	31.4	0.56	0.124	699 / 371	804 / 429	891 / 477	4.65
03/05/15	03/12/15	8.0y		351 / 177	20.3	32.8	0.36	0.080	697 / 370	803 / 429	889 / 476	4.46
Baseline Data				459 / 237		37.12	0.90		721 / 383	807 / 431	892 / 478	1.5

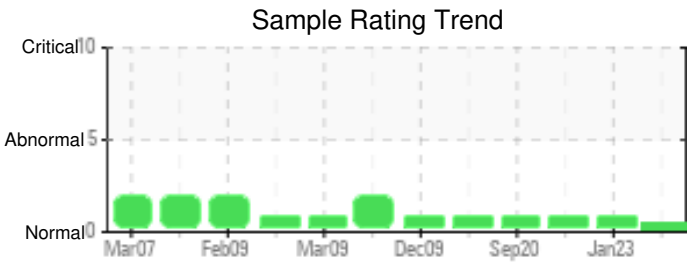






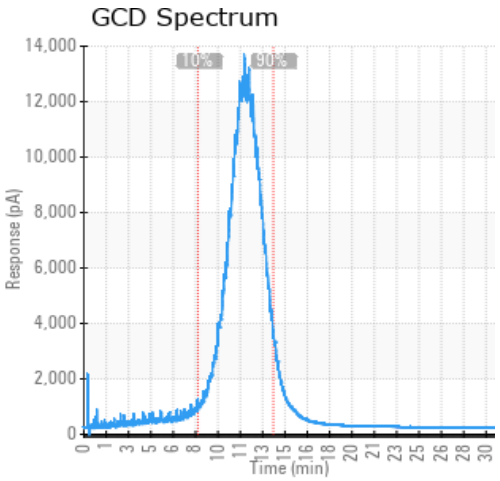
PETRO-CANADA LUBRICANTS

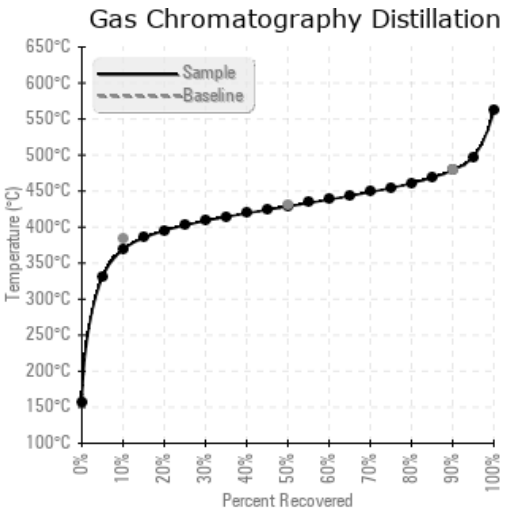


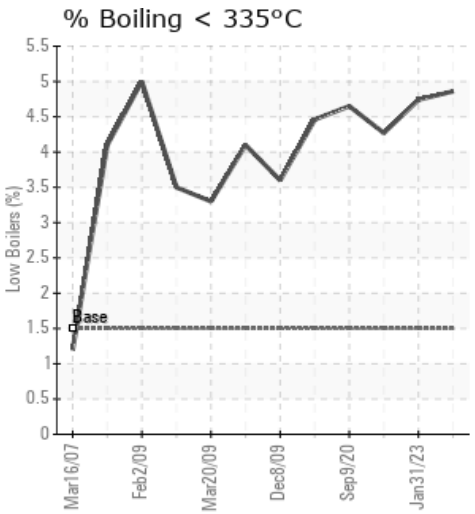


Sample Date	Iron	Chromium	Nickel	Aluminum	Copper	Lead	Tin	Cadmium	Silver	Vanadium	Silicon	Sodium	Potassium	Titanium	Molybdenum	Antimony	Manganese	Lithium	Boron	Magnesium	Calcium	Barium	Phosphorus	Zinc
10/10/23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	0
01/31/23	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	0
01/15/21	20	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	31	0
09/09/20	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	0
03/05/15	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	28	2
Baseline Data			0	0						0			0	0				0	0				230	

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







Historical Comments

01/31/23	We recommend that you vent the expansion tank to remove low boilers which assists in restoring the flash point of the fluid. Resample at the next service interval to monitor. COC Flash Point is abnormally low.
01/15/21	Fluid fit for further use. Send in new sample at next service interval.
09/09/20	Fluid fit for further use. GCD %<335 °C and GCD 10% still in proper state. Send in new sample on next routine. COC Flash Point is abnormally low.
03/05/15	A small amount of low boilers detected resulting in a lowering of the Flash Point.Suggest trying to remove low boilers if possible.Oil is still in very good condition .Recommend sampling at the next scheduled maitenance interval. COC Flash Point is marginally low. (GCD) 90% Distillation Point is marginally low.