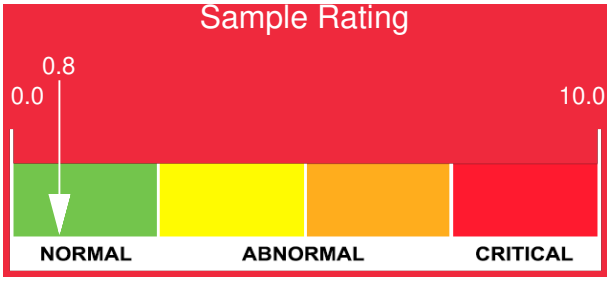
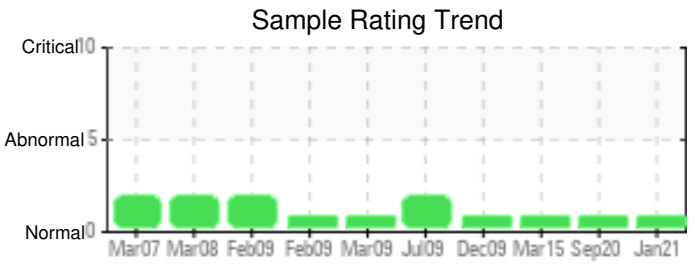
PETRO-CANADA LUBRICANTS





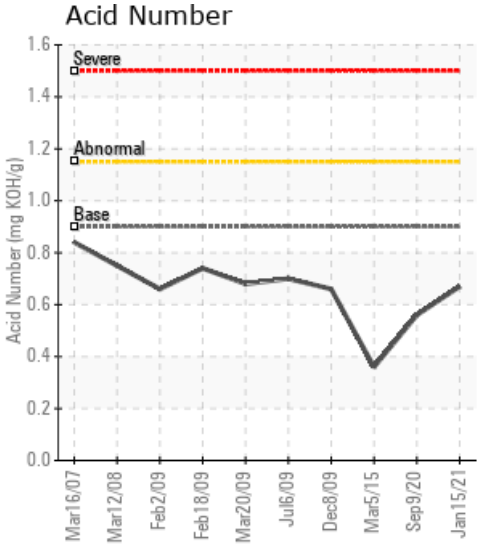
KUIPER (MAXXTEC)

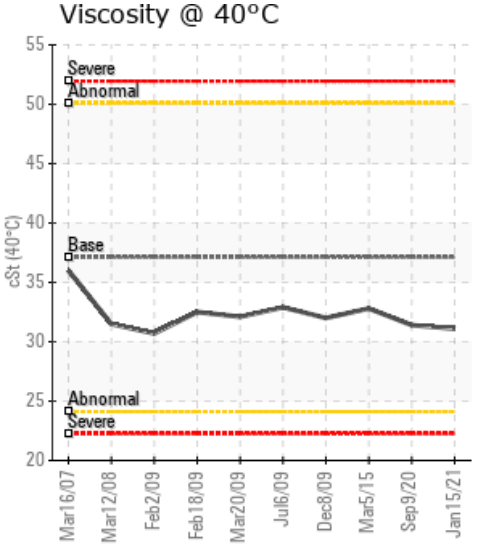
Customer: PTRHTF40048	System Information	Sample Information
PIET DE WIT SNACKS ALUMINIUMSTRAAT 84 ZOETERMEER 2718RA ZOETERMEER, 2718RA Netherlands Attn: WILBERT SNIJERS Tel: E-Mail: w.snijers@klt.nl	System Volume: 0 ltr Bulk Operating Temp: 300F / 149C Heating Source: Blanket: Fluid: PETRO CANADA PURITY FG HEAT TRANSFER FLUID Make: KUIPER	Lab No: 02399432 Analyst: Matthias Voss Sample Date: 01/15/21 Received Date: 01/22/21 Completed: 01/26/21 Matthias Voss Matthias.Voss@petrocanadalsp.com

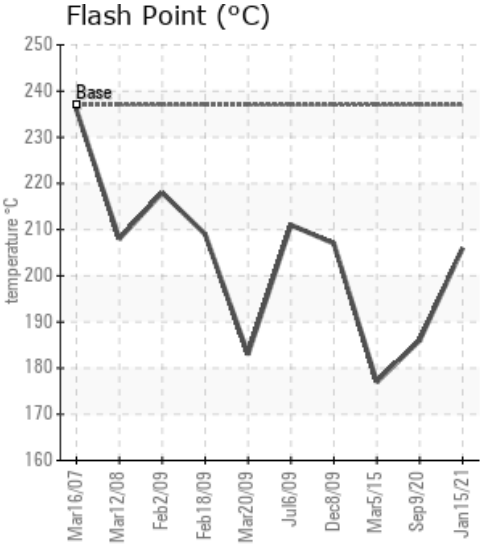
Recommendation: Fluid fit for further use. Send in new sample at next service interval.

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	%
01/15/21	01/22/21	15y		403 / 206	25.9	31.1	0.67	0.219	702 / 372	805 / 429	893 / 478	4.27
09/09/20	09/15/20	14y		367 / 186	20.8	31.4	0.56	0.124	699 / 371	804 / 429	891 / 477	4.65
03/05/15	03/12/15	8y		351 / 177	20.3	32.8	0.36	0.080	697 / 370	803 / 429	889 / 476	4.46
12/08/09	01/27/10	1y		405 / 207	18	32	0.66	0.02	702 / 372		896 / 480	3.6
07/06/09	07/06/09			412 / 211	40	32.9	0.7	0.03	693 / 367		887 / 475	4.1
Baseline Data				459 / 237		37.12	0.90		721 / 383	807 / 431	892 / 478	1.5







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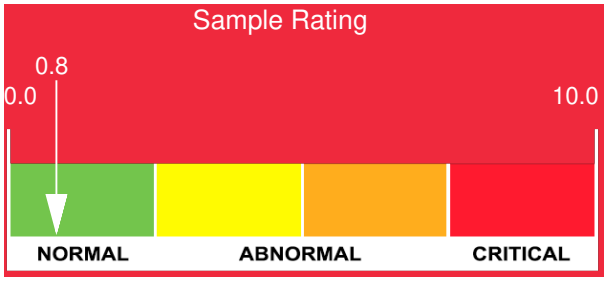
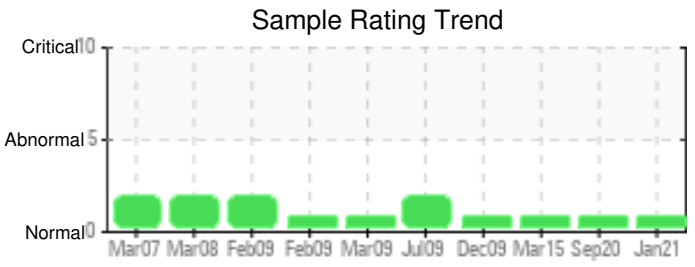
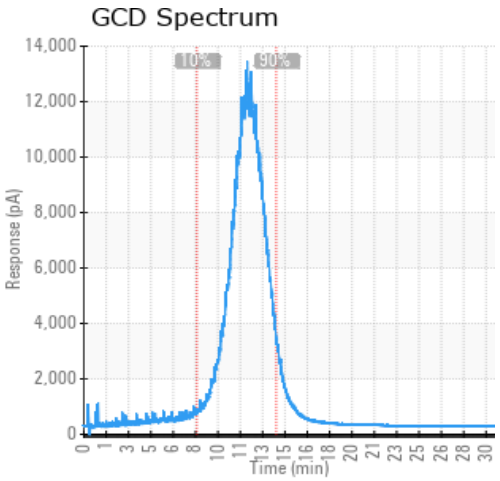
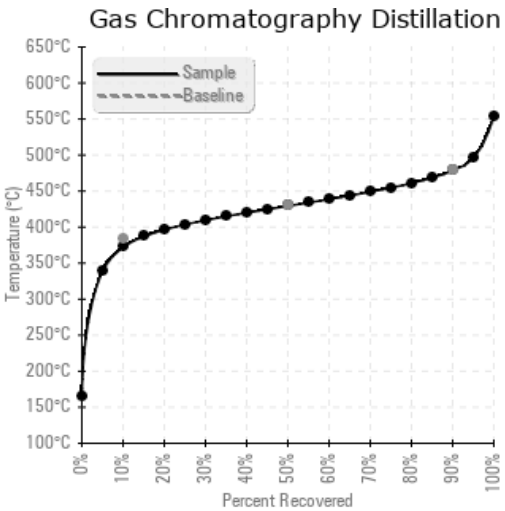


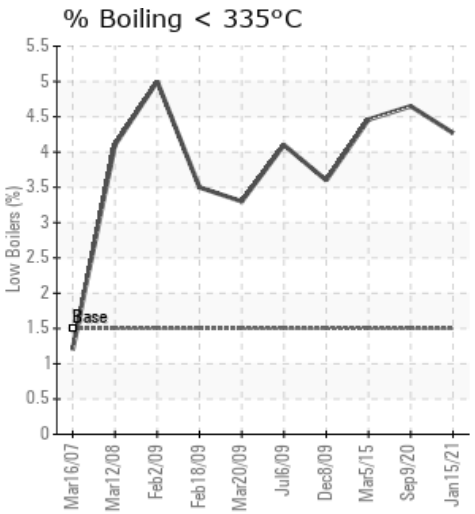


Sample Date	Iron	Chromium	Nickel	Aluminum	Copper	Lead	Tin	Cadmium	Silver	Vanadium	Silicon	Sodium	Potassium	Titanium	Molybdenum	Antimony	Manganese	Lithium	Boron	Magnesium	Calcium	Barium	Phosphorus	Zinc
01/15/21	20	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	31	0
09/09/20	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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
12/08/09	16	0	0	0	0	0	0	0	0	0	0	0		0	0		0			0	0	0	35	0
07/06/09	15	0	0	0	0	0	1	0	0	0	0	0		0	0		0			0	0	0	36	0
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

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.
12/08/09	
07/06/09	

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