

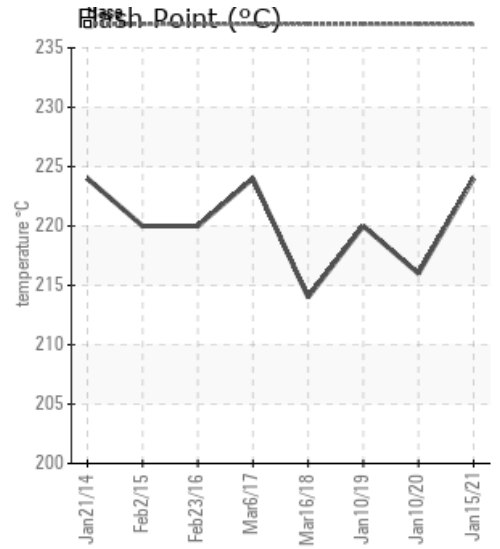
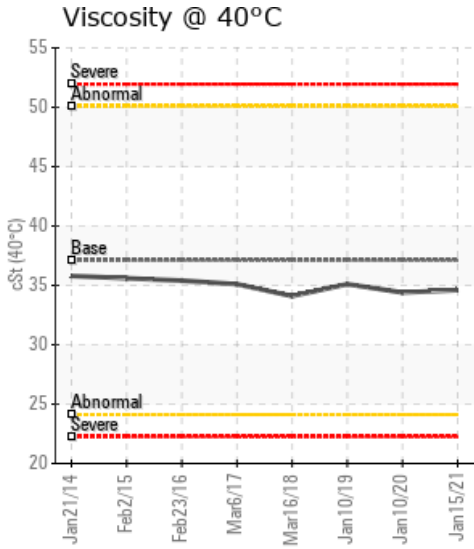
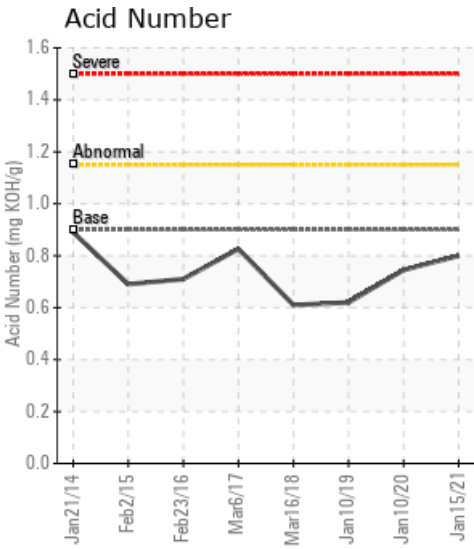
## WANSON TPC 650 LN

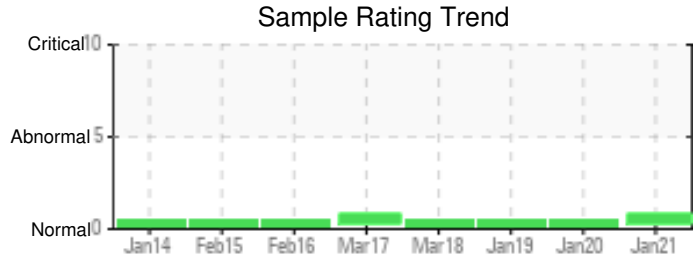
Customer: PTRHTF40108	System Information	Sample Information
WILTHAGEN VLEESWAREN ENERGIE WEG 1 THOLEN, 4691SE Netherlands Attn: Wilbert Snijers Tel: E-Mail: w.snijers@klt.nl	System Volume: 3000 ltr Bulk Operating Temp: 500F / 260C Heating Source: Blanket: Fluid: PETRO CANADA PURITY FG HEAT TRANSFER FLUID Make: WANSON/REPUTABEL	Lab No: 02399431 Analyst: Matthias Voss Sample Date: 01/15/21 Received Date: 01/22/21 Completed: 01/27/21 Matthias Voss Matthias.Voss@petrocanadalsp.com

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

Comments: (GCD) 90% Distillation Point is marginally high.

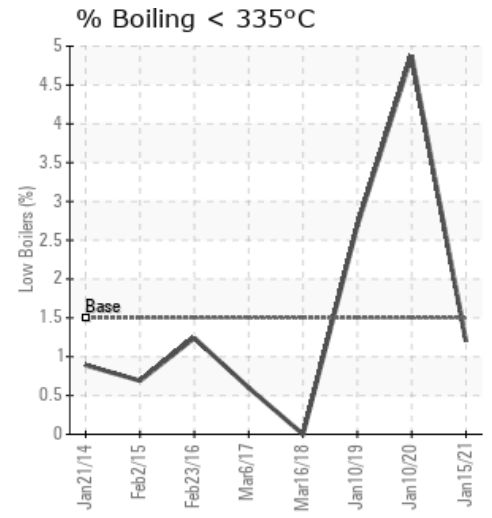
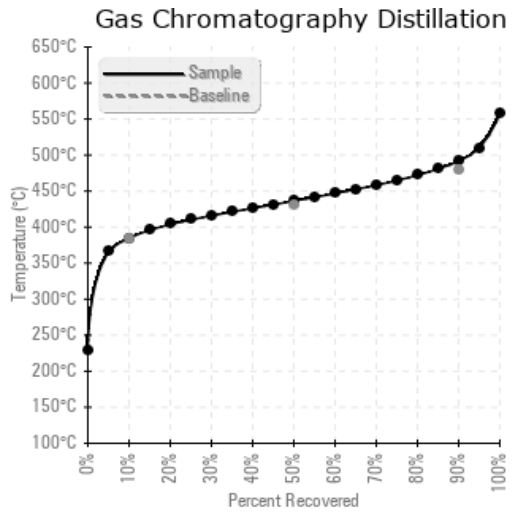
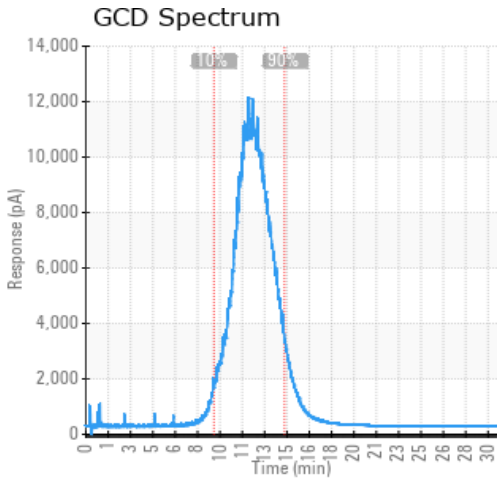
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
01/15/21	01/22/21	7y		435 / 224	19.5	34.6	0.80	0.192	724 / 385	817 / 436	917 / 492	1.20
01/10/20	01/20/20	6y		421 / 216	13.0	34.4	0.745	0.066	690 / 366	799 / 426	896 / 480	4.88
01/10/19	01/15/19	0y		428 / 220	9.0	35.1	0.62	0.071	686 / 363	783 / 417	882 / 472	2.69
03/16/18	03/22/18	4582y		417 / 214	3.0	34.1	0.61	0.030	727 / 386	795 / 424	893 / 478	0.00
03/06/17	03/10/17	3y		435 / 224	85.0	35.1	0.826	0.069	712 / 378	809 / 432	933 / 500	0.60
Baseline Data				459 / 237		37.12	0.90		721 / 383	807 / 431	892 / 478	1.5





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	4	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39	0
01/10/20	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	0
01/10/19	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28	0
03/16/18	3	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	1
03/06/17	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	2
<b>Baseline Data</b>			0	0						0			0	0				0	0				230	

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



### Historical Comments

01/10/20	All tests lie within normal parameters. FLuid fit for further use. Please re sample in 12 months
01/10/19	Fresh looking oil meeting all parameters expected. Fit for further use
03/16/18	Fluid is in good conditions, resample at you normal sampling interval.
03/06/17	Oil appears to be in good condition and fit for further service. Suggest sample at next scheduled maintenance interval. (GCD) 90% Distillation Point is abnormally high.

Petro-Canada makes no representation or warranty of any kind, either express or implied, as to the accuracy or completeness of the analysis and assumes no responsibility and shall have no liability whatsoever with respect to such analysis, or a party's use of it. Petro-Canada is a division of HollyFrontier Corporation.