

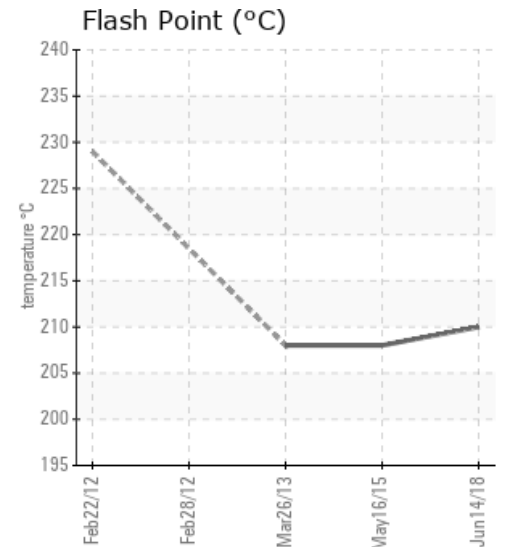
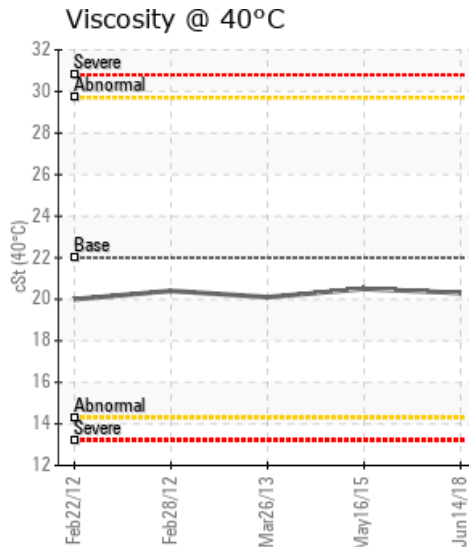
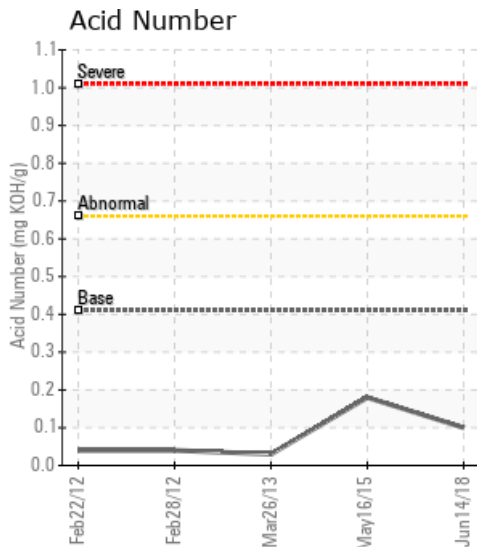
GAVARDO OMD150

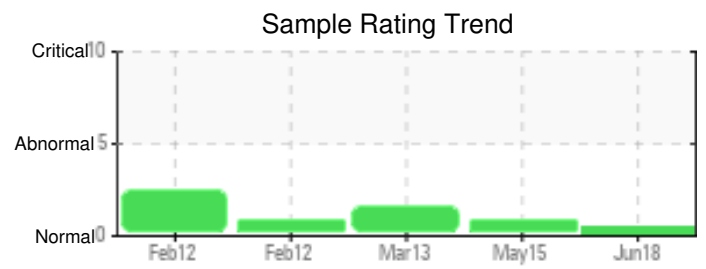
Customer: PTRHTF40098	System Information	Sample Information
TJENDRAWASIH B.V. IVOORSTRAAT 15 ALKMAAR, 1812RE NETHERLANDS Attn: W. SNYERS Tel: E-Mail: w.snyers@klt.nl	System Volume: 200 ltr Bulk Operating Temp: 140F / 60C Heating Source: Blanket: Fluid: HEAT TRANSFER FLUID ISO 22 Make:	Lab No: 02223627 Analyst: Philip Riley Sample Date: 06/14/18 Received Date: 06/21/18 Completed: 06/25/18 To discuss this report contact Philip Riley at (440)124-4378171

Recommendation: No Petro-Canada product stated, do not have technical data to comment with accuracy on product

Comments: COC Flash Point is marginally low.

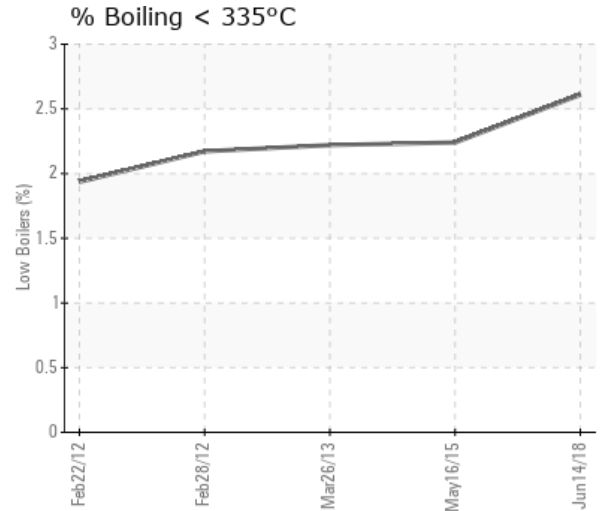
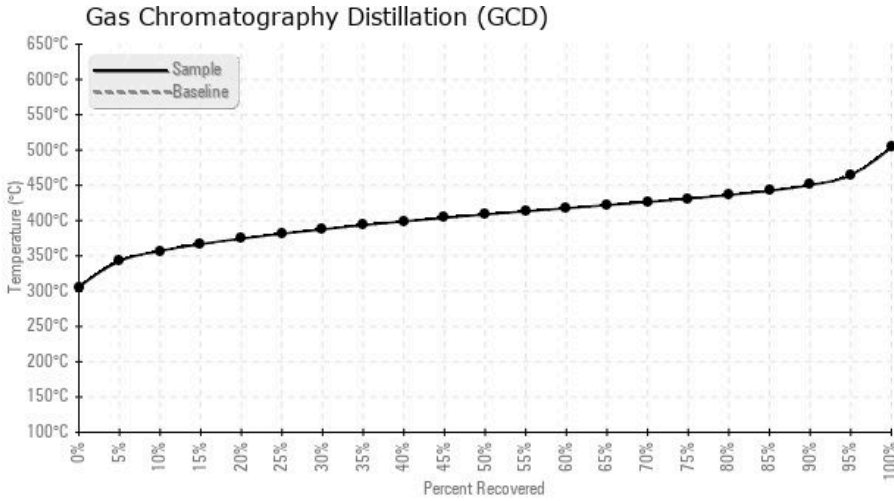
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
06/14/18	06/21/18	6y		410 / 210	20.5	20.3	0.100	0.042	674 / 357	768 / 409	843 / 450	2.61
05/16/15	06/22/15	3y		406 / 208	102.1	20.5	0.18	0.050	679 / 360	775 / 413	847 / 453	2.24
03/26/13	04/15/13	1y		406 / 208	5.8	20.1	0.03	0.012	679 / 359	773 / 412	848 / 453	2.22
02/28/12	03/22/12	1y	NA		27	20.4	0.04	0.009	681 / 360	768 / 409	843 / 451	2.172
02/22/12	05/14/12		NA	444 / 229	26	20	0.04	0.012	682 / 361	768 / 409	843 / 451	1.936
Baseline Data				32 / 0		22	0.41					





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
06/14/18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	5	0
05/16/15	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	7	0
03/26/13	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	7	0
02/28/12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	2	0	0	0	11	1
02/22/12	0	0	0	0	0	0	0	0	0	0	2	0	1	0	5	0	0	0	0	0	0	0	8	0
Baseline Data			0	0						0			0	0					5				250	

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



Historical Comments	
05/16/15	Does not appear to be a Petro-Canada Product. COC Flash Point is abnormally high.
03/26/13	Oil is fit for further service COC Flash Point is high. Visc @ 40°C is severely low.
02/28/12	Oil is fit for further service
02/22/12	Missing Data Oil appears fit for further service base on analysis

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