

WANSON 600LNE

Customer: PTRHTF40017
 INTERSNACK BV
 HAVENSTRAAT 62
 GELDERLAND
 DOETINCHEM, GEL NL
 Attn: Maintenance Manager
 Tel:
 E-Mail:

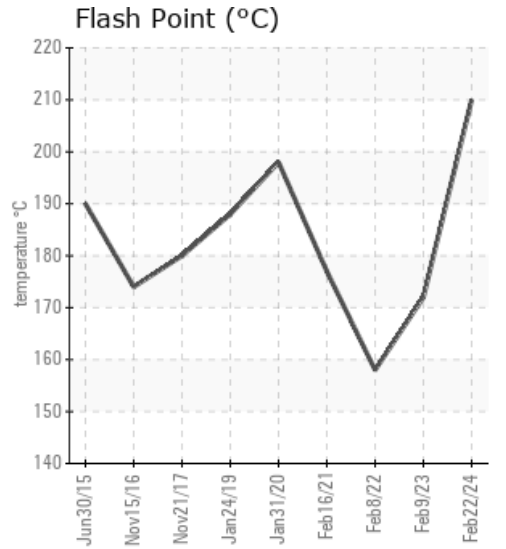
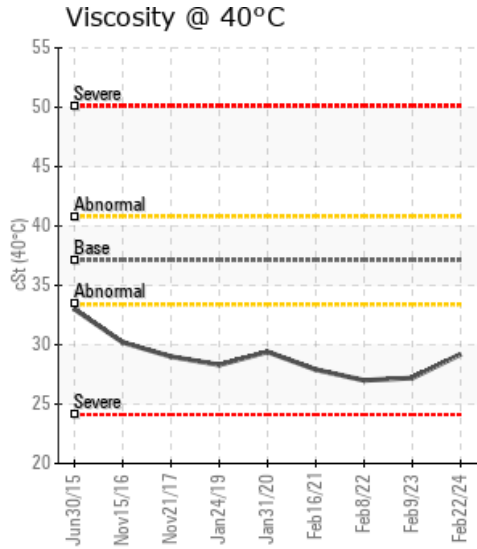
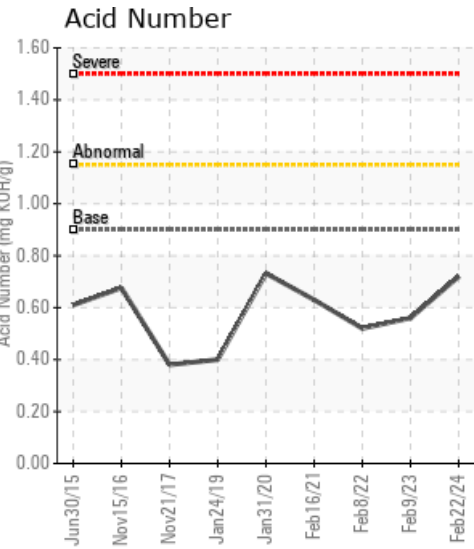
System Information
 System Volume: 2600 ltr
 Bulk Operating Temp: Not Specified
 Heating Source:
 Blanket:
 Fluid: PETRO CANADA PURITY FG HEAT TRANSFER FLUID
 Make: WANSON

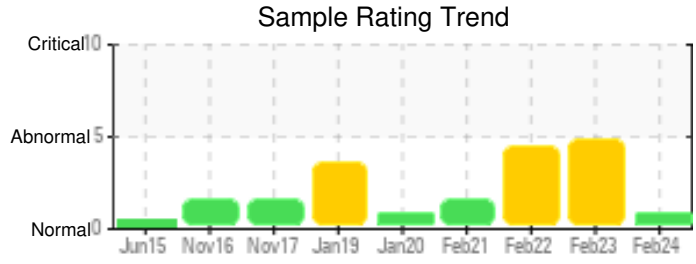
Sample Information
 Lab No: 02618540
 Analyst: Bill Quesnel CLS, OMA II, MLA-III, LLA-I
 Sample Date: 02/22/24
 Received Date: 02/27/24
 Completed: 03/05/24
 Bill Quesnel CLS, OMA II, MLA-III, LLA-I

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

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

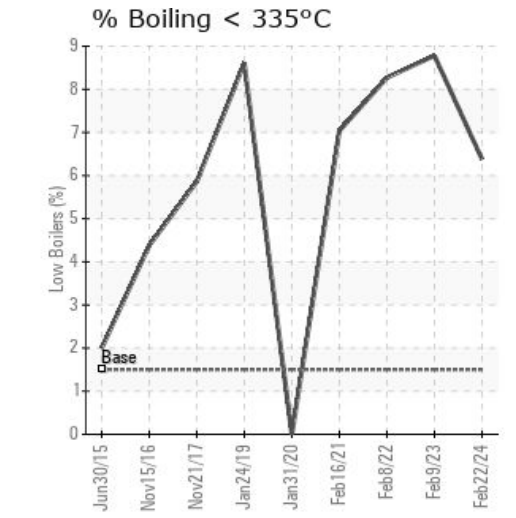
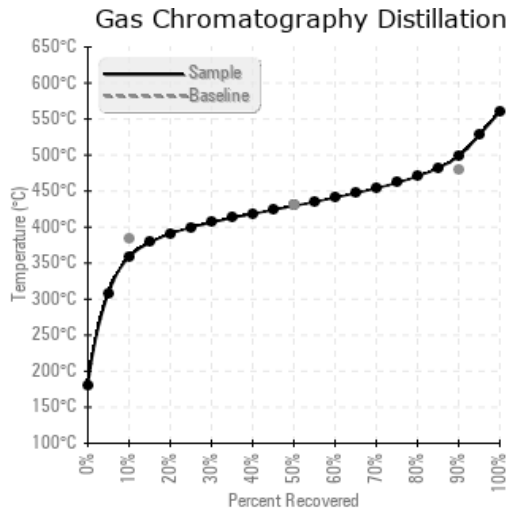
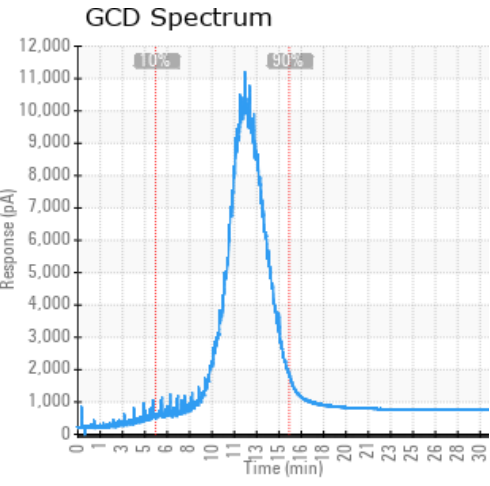
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
02/22/24	02/27/24	10.0y		410 / 210	27	29.2	0.72	0.142	678 / 359	805 / 429	928 / 498	6.38
02/09/23	02/16/23	9.0y		342 / 172	28.9	27.2	0.56	0.185	647 / 342	798 / 426	907 / 486	8.78
02/08/22	02/14/22	8.0y		316 / 158	24.5	27.0	0.52	0.090	654 / 346	799 / 426	904 / 484	8.27
02/16/21	02/22/21	7.0y		351 / 177	51.9	27.9	0.63	0.141	670 / 355	801 / 427	906 / 485	7.04
01/31/20	02/11/20	6.0y		388 / 198	56.7	29.4	0.732	0.068	738 / 392	816 / 435	914 / 490	0.00
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
02/22/24	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	52	0
02/09/23	8	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	0
02/08/22	10	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0
02/16/21	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	0
01/31/20	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33	0
Baseline Data			0	0						0			0	0				0	0				230	

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



Historical Comments	
02/09/23	No details on system temperature so please provide these. The fluid has been successfully recovered in recent months, recommend this is attempted by venting if it can be done safely. The GCD curve shows evidence of thermal cracking and the viscosity loss (although not critical) supports this is some way. Recommend system is vented and system temperatures are loaded into the oil analysis program. COC Flash Point is severely low. (GCD) % < 335°C is marginally high. (GCD) 10% Distillation Point is marginally low.
02/08/22	All parameters within acceptable limits except for the COC Flash Point. No details on system temperature so please provide these. The fluid has been successfully recovered in recent months, recommend this is attempted by venting if it can be done safely. The GCD curve shows evidence of thermal cracking and the viscosity loss (although not critical) supports this is some way. Recommend system is vented and system temperatures are loaded into the oil analysis program. COC Flash Point is severely low. (GCD) % < 335°C is marginally high. (GCD) 10% Distillation Point is marginally low.
02/16/21	All parameters within acceptable limits except for the COC Flash Point. No details on system temperature so please provide these. The fluid has been successfully recovered in recent months, recommend this is attempted by venting if it can be done safely. The GCD curve shows evidence of thermal cracking and the viscosity loss (although not critical) supports this is some way. Recommend system is vented and system temperatures are loaded into the oil analysis program. COC Flash Point is severely low.
01/31/20	Fluid improved/recovered from previous analysis results. Please resample at normal frequency, oil fit for further use (GCD) 90% Distillation Point is abnormally low. COC Flash Point is marginally low. (GCD) % < 335°C measurement of 0.00% too low, but will have been decreased as Flash Point has increased.

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