

## NEW - WANSON 450

**Customer: PTRHTF40052**  
 ROYAAN BV  
 HOGE MAAT 8  
 WIJK BIJ BUURSTED 3961 NC  
 WIJK BIJ DUURSTED, 3961NC  
 Netherlands  
 Attn: WILBERT SNIJERS  
 Tel:

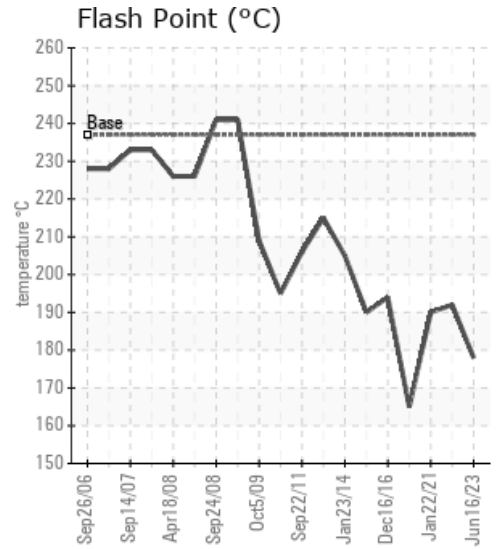
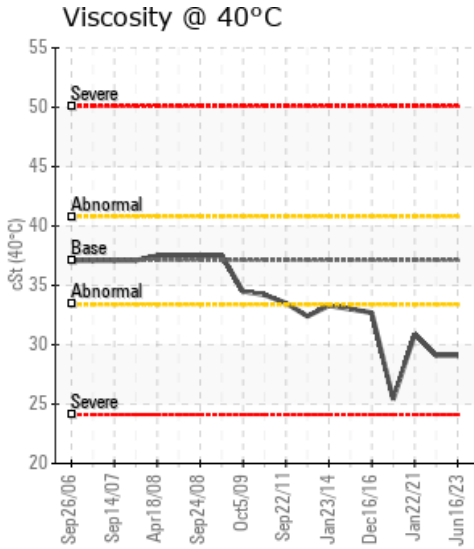
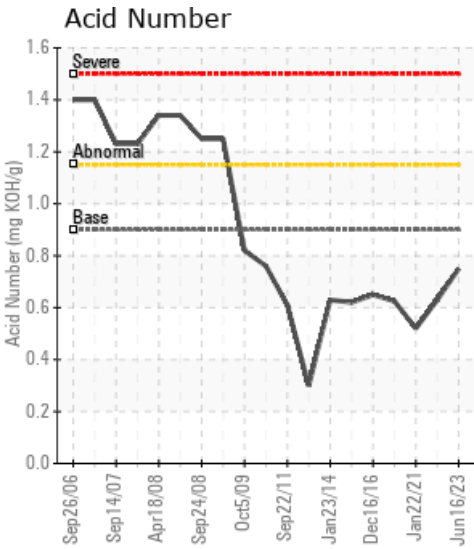
**System Information**  
 System Volume: 800 ltr  
 Bulk Operating Temp: 255F / 124C  
 Heating Source:  
 Blanket:  
 Fluid: PETRO CANADA PURITY FG HEAT TRANSFER FLUID  
 Make: WANSON

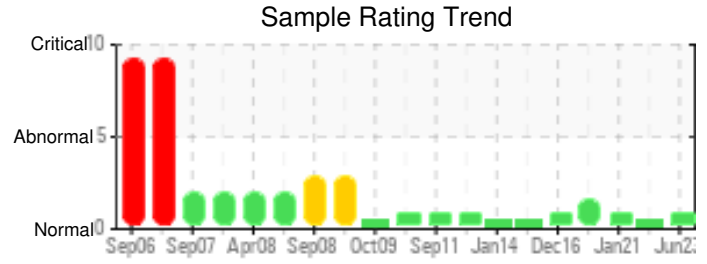
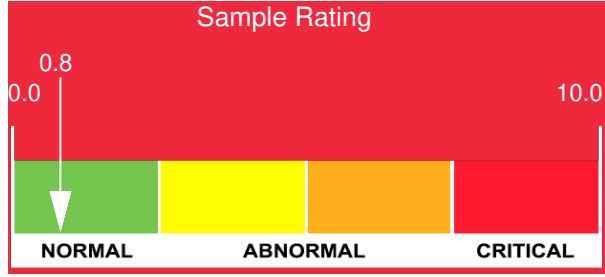
**Sample Information**  
 Lab No: 02566012  
 Analyst: Bill Quesnel CLS,OMA II,MLA-III,LLA-I  
 Sample Date: 06/16/23  
 Received Date: 06/22/23  
 Completed: 07/07/23  
 Bill Quesnel CLS,OMA II,MLA-III,LLA-I

**Recommendation:** We recommend that you vent the expansion tank to remove low boilers which assists in restoring the flash point of the fluid. We recommend an early resample to monitor this condition. No other corrective action is recommended at this time.

**Comments:** COC Flash Point is abnormally low.

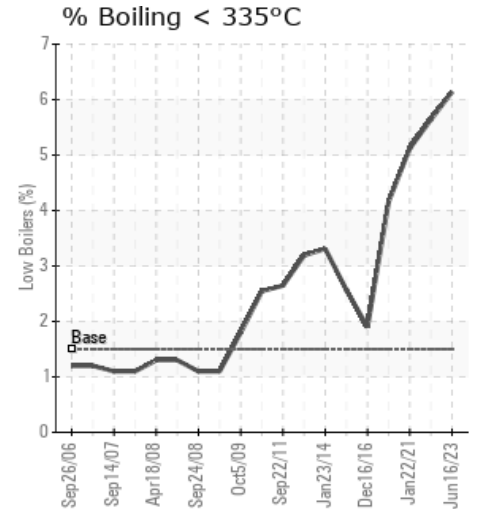
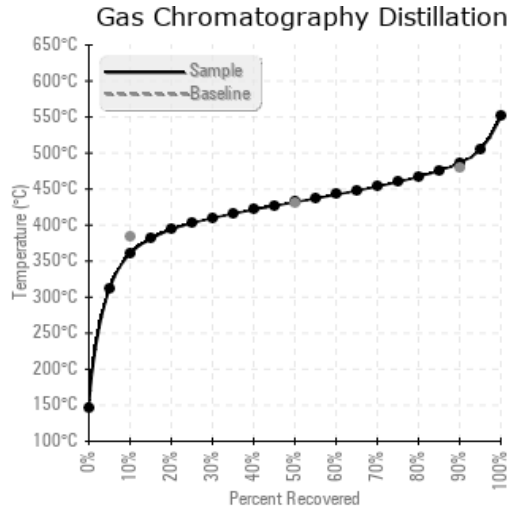
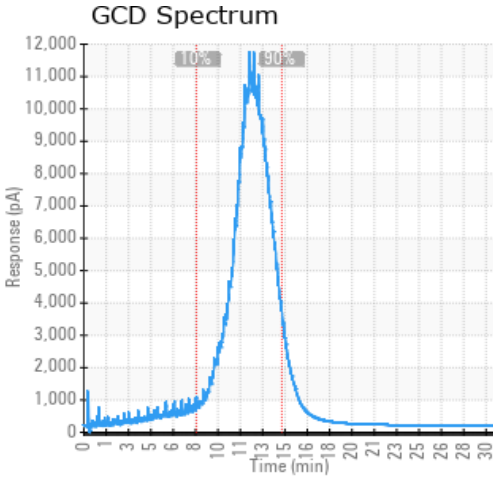
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
06/16/23	06/22/23	16.8y		352 / 178	5.2	29.1	0.75	0.064	681 / 361	809 / 432	907 / 486	6.14
05/24/22	05/30/22	15.8y		378 / 192	33.6	29.1	0.63	0.068	685 / 363	810 / 432	910 / 488	5.64
01/22/21	01/28/21	14.0y		374 / 190	23.0	30.9	0.52	0.115	688 / 364	810 / 432	906 / 485	5.12
09/10/19	09/19/19	12.5y		329 / 165	31.5	25.4	0.625	0.029	699 / 371	819 / 437	909 / 487	4.16
12/16/16	01/27/17	10.0y		381 / 194	66.1	32.7	0.65	0.237	709 / 376	813 / 434	898 / 481	1.90
<b>Baseline Data</b>				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
06/16/23	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	37	2
05/24/22	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	1
01/22/21	19	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	0
09/10/19	30	0	0	0	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35	10
12/16/16	132	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	81	13
<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

05/24/22	Oil condition is very stable and oil is fit for further use. Please sent in next sample at the next service interval.
01/22/21	Fluid fit for further use. Send in new sample at next service interval. COC Flash Point is slightly low.
09/10/19	COC Flash Point severely low and unless can be recovered (safely) through next sample period an oil change is recommended COC Flash Point is severely low.
12/16/16	The oil appears to be in good condition at this time. However there has been a spike in Iron levels which can have an adverse effect on stability in the short term moving forward. Suggest locating the source of Iron contamination. Iron ppm levels are abnormal.

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