

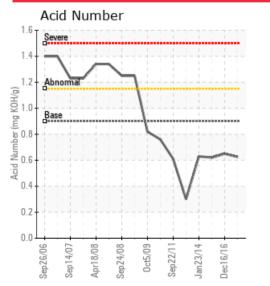
NEW - WANSON 450

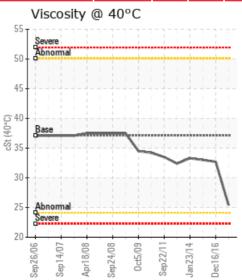
Customer: PTRHTF40052	System Information	Sample Information
ROYAAN BV	System Volume: 800 ltr	Lab No: 02309321
HOGE MAAT 8	Bulk Operating Temp: 255F / 124C	Analyst: Philip Riley
WIJK BIJ BUURSTEDE 3961 NC	Heating Source:	Sample Date: 09/10/19
WIJK BIJ DUURSTEDE, 3961NC	Blanket:	Received Date: 09/19/19
Netherlands	Fluid: PETRO CANADA PURITY FG HEAT TRANSFER FLUID	Completed: 10/02/19
Attn: WILBERT SNIJERS	Make: WANSON	
Tel:		

Recommendation: COC Flash Point severely low and unless can be recovered (safely) through next sample period an oil change is recommended

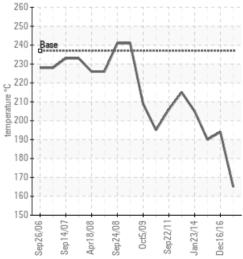
Comments: COC Flash Point is severely low.

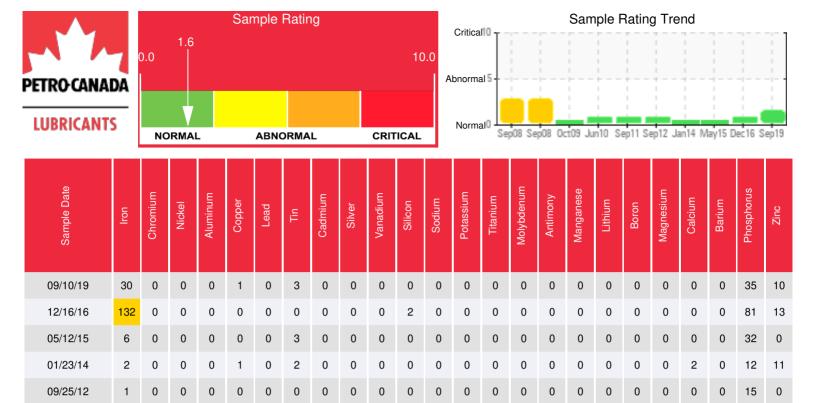
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/ g	%wt	°F/°C	°F/°C	°F/°C	%
09/10/19	09/19/19	13y		329 / 165	31.5	25.4	0.625	0.029	699 / 371	819 / 437	909 / 487	4.16
12/16/16	01/27/17	10y		381 / 194	66.1	32.7	0.65	0.237	709 / 376	813 / 434	898 / 481	1.90
05/12/15	05/15/15	9у		374 / 190	63.1	33.0	0.62	0.035	707 / 375	818 / 436	909 / 487	2.57
01/23/14	01/31/14	8y	PTRHTF40052	401 / 205	50.0	33.3	0.63	0.041	702 / 372	813 / 434	896 / 480	3.31
09/25/12	10/08/12		NA	419 / 215	3	32.4	0.3	0.015	706 / 374	810 / 432	898 / 481	3.191
09/22/11	10/06/11			403 / 206	23	33.5	0.61	0.019	710 / 377	812 / 433	896 / 480	2.646
Baseline Data			459 / 237		37.12	0.90		721/383	807 / 431	892 / 478	1.5	





Flash Point (°C)

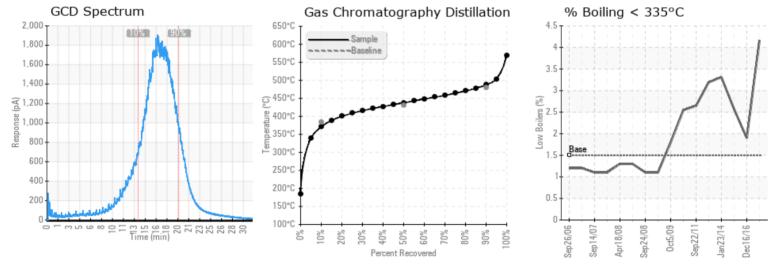




Baseline Data

09/22/11

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



Historical Comments

	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.
05/12/15	Oil appears to be in good condition.Sample at next scheduled maintenance interval.
01/23/14	Oil appears to be in very good condition and fit for further service. Sample at next scheduled routine maintenance interval.
09/25/12	Oil appears fit for further service
09/22/11	

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