# **OIL ANALYSIS REPORT**

## VOLVO PENTA

### JERRY KRUSINSKI CUMMINS 2130022 - GENSET

Sample No: VPA055466

Oil Type: SHELL ROTELLA T 15W40

Sample Number		VPA055466	VPA045073	 
Sample Date		24 Oct 2023	30 Sep 2022	 
Machine Hours		0	326	 
Oil Hours		0	0	 
Oil Changed		N/A	Changed	 
Sample Status		NORMAL	NORMAL	 
OIL CONDITION				
Visc @ 100°C	cSt	13.9	13.8	 
Base Number (BN)	mg KOH/g	8.4	9.3	 
Oxidation (PA)	%	67	75	 
CONTAMINATION				
Soot %	%	0	0.1	 
Nitration (PA)	%	48	62	 
Sulfation (PA)	%	56	60	 
Glycol	%	NEG	NEG	 
Fuel	%	<1.0	< 1.0	 
Silicon	ppm	3	2	 
Sodium	ppm	3	2	 
Potassium	ppm	5	7	 
WEAR METALS				
Iron	ppm	<b>  </b> <1	0	 
Copper	ppm	<b>  </b> <1	2	 
Lead	ppm	0	0	 
Tin	ppm	0	0	 
Aluminum	ppm	<b>  </b> <1	<b></b> < 1	 
Chromium	ppm	0	<b></b> <1	 
Molybdenum	ppm	<b></b> <1	11	 
Nickel	ppm	0	0	 
Titanium	ppm	0	0	 
Silver	ppm	0	0	 
Manganese	ppm	<b>  </b> <1	0	 
Vanadium	ppm	0	0	 
ADDITIVES				
Calcium	ppm	2035	1973	 
Magnesium	ppm	57	178	 
Zinc	ppm	<b>1152</b>	1079	 
Phosphorus	ppm	853	925	 
Barium Boron	ppm ppm	<b>□</b> 0 <b>□</b> 179	□ <1 □ 153	 

#### **BAY MARINE**

3 E MADISON ST WAUKEGAN, IL US 60085 Contact: NANCY FELHOFER NANCY.FELHOFER@BAYMARINE.NET T: F:

### Diagnosis

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

 Depot:
 VP1174336

 Unique No:
 10711568

 Signed:
 Sean Felton

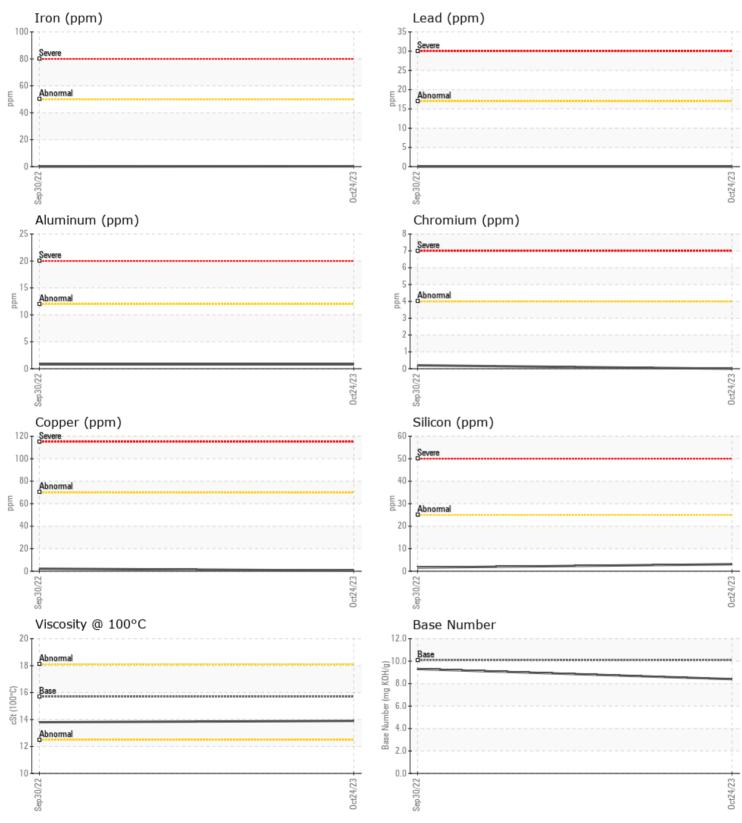
 Report Date:
 27 Oct 2023

Contact/Location: NANCY FELHOFER - VP1174336

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#### GRAPHS



Report Id: VP1174336 [WUSCAR] 05988906 (Generated: 10/28/2023 02:34:31) Rev: 1

Contact/Location: NANCY FELHOFER - VP1174336