## **OIL ANALYSIS REPORT**

### VOLVO PENTA

### BRENDLINGER KOHLER 0730865 - GENSET

Sample No: VPA056598

**Oil Type:** DIESEL ENGINE OIL SAE 40

Sample Number		VPA056598	 	
Sample Date		30 Nov 2023	 	
Machine Hours		773	 	
Oil Hours		0	 	
Oil Changed		N/A	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	<b>13.9</b>	 	
Base Number (BN)	mg KOH/g	9.0	 	
Oxidation (PA)	%	69	 	
CONTAMINATION				
Water	%	NEG	 	
Soot %	%	0.2	 	
Nitration (PA)	%	62	 	
Sulfation (PA)	%	51	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	6	 	
Sodium	ppm	3	 	
Potassium	ppm	3	 	
WEAR METALS				
Iron	ppm	7	 	
Copper	ppm	3	 	
Lead	ppm	<b>1</b>	 	
Tin	ppm	0	 	
Aluminum	ppm	<b></b> <1	 	
Chromium	ppm	0	 	
Molybdenum	ppm	6	 	
Nickel	ppm	0	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	0	 	
Vanadium	ppm	0	 	
ADDITIVES				
Calcium	ppm	2259	 	
Magnesium	ppm	32	 	
Zinc	ppm	<b>1268</b>	 	
Phosphorus	ppm	<b>1039</b>	 	
Barium	ppm	0	 	
Boron	ppm	<b>4</b> 3	 	

#### **MAKO MARINE**

117 HUDSON AVE FREEPORT, NY US 11520 Contact: PAUL FLOOD makomarine@optonline.net T: (516)378-7331 F: x:

#### Diagnosis

No corrective action is recommended at this time. 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:
 VP1134331

 Unique No:
 10767944

 Signed:
 Doug Bogart

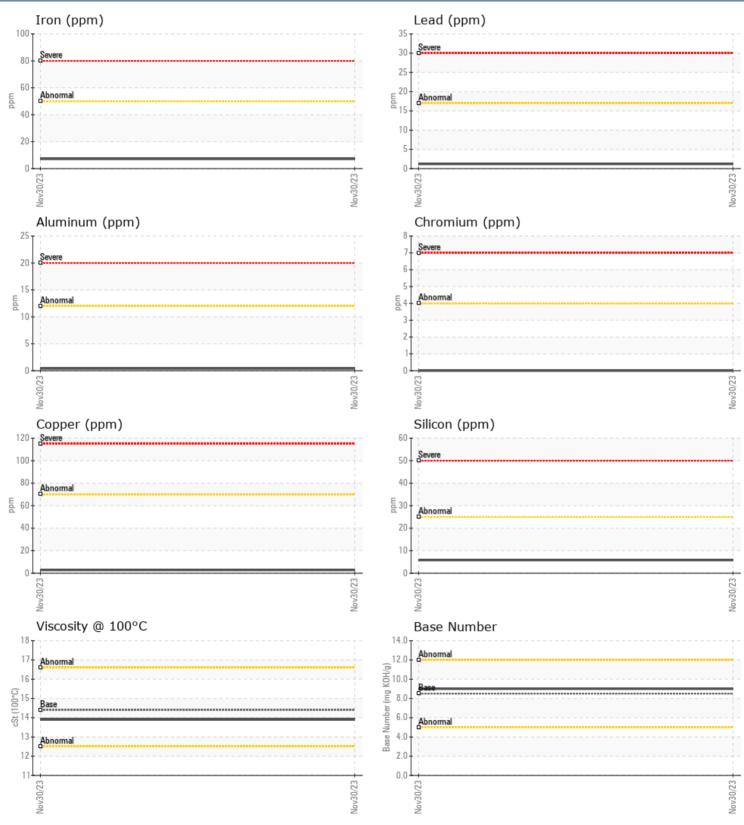
 Report Date:
 05 Dec 2023

Contact/Location: PAUL FLOOD - VP1134331

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#### GRAPHS



Report Id: VP1134331 [WUSCAR] 06023444 (Generated: 12/05/2023 12:47:05) Rev: 1

Contact/Location: PAUL FLOOD - VP1134331