

# OIL ANALYSIS REPORT

# VOLVO PENTA

## WAHAB VOLVO PENTA A433739 - STARBOARD DIESEL ENGINE

Sample No: VPA045910

Oil Type: NOT GIVEN

### SAMPLE INFORMATION

Sample Number	VPA045910	---	---	---
Sample Date	20 Oct 2023	---	---	---
Machine Hours	543	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

### MAKO MARINE

117 HUDSON AVE

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US 11520

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### OIL CONDITION

Visc @ 100°C	cSt	█ 14.31	---	---	---
Oxidation (PA)	%	56	---	---	---

### CONTAMINATION

Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	53	---	---	---
Sulfation (PA)	%	50	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 7	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 2	---	---	---

### 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 condition of the oil is acceptable for the time in service.

### WEAR METALS

Iron	ppm	█ 16	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 47	---	---	---
Nickel	ppm	█ 1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	█ 1594	---	---	---
Magnesium	ppm	█ 467	---	---	---
Zinc	ppm	█ 1192	---	---	---
Phosphorus	ppm	█ 1106	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 51	---	---	---

Depot: VP1134331

Unique No: 10709749

Signed: Doug Bogart

Report Date: 23 Oct 2023

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## GRAPHS

