

# OIL ANALYSIS REPORT

# VOLVO PENTA

## MONTAGUE VOLVO PENTA A1066756 - STARBOARD DIESEL ENGINE

Sample No: VPA055398

Oil Type: NOT GIVEN

### SAMPLE INFORMATION

Sample Number	VPA055398	---	---	---
Sample Date	03 Nov 2023	---	---	---
Machine Hours	315	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

### MAKO MARINE

117 HUDSON AVE

FREEPORT, NY

US 11520

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### OIL CONDITION

Visc @ 100°C	cSt	█ 14.03	---	---	---
Base Number (BN)	mg KOH/g	█ 8.3	---	---	---
Oxidation (PA)	%	62	---	---	---

### 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.

### CONTAMINATION

Soot %	%	█ 0.4	---	---	---
Nitration (PA)	%	53	---	---	---
Sulfation (PA)	%	56	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 7	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 8	---	---	---

### WEAR METALS

Iron	ppm	█ 12	---	---	---
Copper	ppm	█ 9	---	---	---
Lead	ppm	█ 3	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 8	---	---	---
Nickel	ppm	█ 1	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	█ 2042	---	---	---
Magnesium	ppm	█ 104	---	---	---
Zinc	ppm	█ 1123	---	---	---
Phosphorus	ppm	█ 1017	---	---	---
Barium	ppm	█ 5	---	---	---
Boron	ppm	█ 169	---	---	---

Depot: VP1134331

Unique No: 10729243

Signed: Doug Bogart

Report Date: 07 Nov 2023

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## GRAPHS

