

# OIL ANALYSIS REPORT

# VOLVO PENTA

## VOLVO PENTA 2204206374 - PORT DIESEL ENGINE

Sample No: VPA044912

Oil Type: NOT GIVEN

### SAMPLE INFORMATION

Sample Number	VPA044912	---	---	---
Sample Date	09 Nov 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

### Monmouth Marine Engines Inc

536 UNION LN

BRIELLE, NJ

US 08730-1421

Contact: Laura Clarkin

monmouthmarine@gmail.com

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### OIL CONDITION

Visc @ 100°C	cSt	█ 14.66	---	---	---
Base Number (BN)	mg KOH/g	█ 8.9	---	---	---
Oxidation (PA)	%	68	---	---	---

### CONTAMINATION

Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	51	---	---	---
Sulfation (PA)	%	57	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 6	---	---	---

### WEAR METALS

Iron	ppm	█ 11	---	---	---
Copper	ppm	█ 5	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 7	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	<1	---	---	---

### ADDITIVES

Calcium	ppm	█ 2024	---	---	---
Magnesium	ppm	█ 0	---	---	---
Zinc	ppm	█ 1185	---	---	---
Phosphorus	ppm	█ 992	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 188	---	---	---

### 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: VP153457

Unique No: 10742560

Signed: Doug Bogart

Report Date: 15 Nov 2023

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## GRAPHS

