

# OIL ANALYSIS REPORT

# VOLVO PENTA

## VOLVO PENTA 351188 - DIESEL ENGINE

Sample No: VPA059074

Oil Type: NOT GIVEN

### SAMPLE INFORMATION

Sample Number	VPA059074	---	---	---
Sample Date	27 Sep 2023	---	---	---
Machine Hours	590	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

### OIL CONDITION

Visc @ 100°C	cSt	█ 13.8	---	---	---
Base Number (BN)	mg KOH/g	█ 9.4	---	---	---
Oxidation (PA)	%	61	---	---	---

### CONTAMINATION

Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	41	---	---	---
Sulfation (PA)	%	60	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 7	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ 1	---	---	---

### WEAR METALS

Iron	ppm	█ 3	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 4	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 114	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	<1	---	---	---

### ADDITIVES

Calcium	ppm	█ 1388	---	---	---
Magnesium	ppm	█ 628	---	---	---
Zinc	ppm	█ 822	---	---	---
Phosphorus	ppm	670	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 373	---	---	---

**MARINE DIESEL SERVICES INC**  
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### 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 suitable for further service.

Depot: VP288530  
Unique No: 10671634  
Signed: Sean Felton  
Report Date: 02 Oct 2023

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## GRAPHS

