

# OIL ANALYSIS REPORT

# VOLVO PENTA

## 505752 VOLVO PENTA A1183212 - PORT DIESEL ENGINE

Sample No: VPA052133

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

### SAMPLE INFORMATION

Sample Number	VPA052133	---	---	---
Sample Date	23 Jan 2024	---	---	---
Machine Hours	58	---	---	---
Oil Hours	58	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

### Jefferson Beach Yacht Sales Inc

24400 Jefferson Ave.  
SAINT CLAIR SHORES, MI  
US 48080

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F:

### OIL CONDITION

Visc @ 100°C	cSt	█ 12.8	---	---	---
Base Number (BN)	mg KOH/g	█ 9.9	---	---	---
Oxidation (PA)	%	75	---	---	---

### 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.

### CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	41	---	---	---
Sulfation (PA)	%	59	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 20	---	---	---
Sodium	ppm	█ 5	---	---	---
Potassium	ppm	█ 3	---	---	---

### WEAR METALS

Iron	ppm	█ 9	---	---	---
Copper	ppm	█ 10	---	---	---
Lead	ppm	█ 3	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 10	---	---	---
Chromium	ppm	█ < 1	---	---	---
Molybdenum	ppm	█ 38	---	---	---
Nickel	ppm	█ 1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 1	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	█ 1507	---	---	---
Magnesium	ppm	█ 455	---	---	---
Zinc	ppm	█ 1021	---	---	---
Phosphorus	ppm	█ 905	---	---	---
Barium	ppm	█ < 1	---	---	---
Boron	ppm	█ 71	---	---	---

Depot: VP297371

Unique No: 10847949

Signed: Don Baldrige

Report Date: 29 Jan 2024

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## GRAPHS

