

# OIL ANALYSIS REPORT

# VOLVO PENTA

## DOUGLAS SLATER ALAN VOLVO PENTA 2071163511 - PORT DIESEL ENGINE

Sample No: VPA059796

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

### SAMPLE INFORMATION

Sample Number	VPA059796	---	---	---
Sample Date	16 Nov 2023	---	---	---
Machine Hours	1012	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

**Precision Marine Center Llc**  
290 Drake Ave  
NEW ROCHELLE, NY  
US 10805  
Contact: Marc Castellano  
marc@precisionmarinecenter.com  
T:  
F:

### OIL CONDITION

Visc @ 100°C	cSt	█ 14.0	---	---	---
Base Number (BN)	mg KOH/g	█ 9.4	---	---	---
Oxidation (PA)	%	66	---	---	---

### CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.6	---	---	---
Nitration (PA)	%	68	---	---	---
Sulfation (PA)	%	58	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ <1	---	---	---

### WEAR METALS

Iron	ppm	█ 8	---	---	---
Copper	ppm	█ 26	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 51	---	---	---
Nickel	ppm	█ 4	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---

### ADDITIVES

Calcium	ppm	█ 1471	---	---	---
Magnesium	ppm	█ 566	---	---	---
Zinc	ppm	█ 1246	---	---	---
Phosphorus	ppm	█ 1021	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 46	---	---	---

### 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 acceptable for the time in service.

Depot: VP850387  
Unique No: 10752956  
Signed: Don Baldrige  
Report Date: 23 Nov 2023

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## GRAPHS

