

# OIL ANALYSIS REPORT

# VOLVO PENTA

## ALEX MARCOS DILLON VOLVO PENTA 2006007226 - PORT DIESEL ENGINE

Sample No: VPA060458

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

### SAMPLE INFORMATION

Sample Number	VPA060458	VPA043489	---	---
Sample Date	26 Apr 2024	01 Feb 2023	---	---
Machine Hours	459	1389	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

Endor Marine LLC - Coastal Marine - 152124  
4300 11th Ave. NW  
SEATTLE, WA  
US 98107  
Contact: WILLOW YANARELLA  
service@coastalmarineengine.com  
T: (206)784-3703  
F: (206)784-8823

### OIL CONDITION

Visc @ 100°C	cSt	█ 13.4	█ 13.6	---	---
Base Number (BN)	mg KOH/g	█ 10.1	█ 10.2	---	---
Oxidation (PA)	%	72	61	---	---

### 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	NEG	---	---
Soot %	%	█ 0.2	█ 0.2	---	---
Nitration (PA)	%	58	62	---	---
Sulfation (PA)	%	57	54	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 4	█ 4	---	---
Sodium	ppm	█ 2	█ 1	---	---
Potassium	ppm	█ 0	█ 3	---	---

### WEAR METALS

Iron	ppm	█ 15	█ 12	---	---
Copper	ppm	█ 3	█ 3	---	---
Lead	ppm	█ <1	█ 2	---	---
Tin	ppm	█ 0	█ <1	---	---
Aluminum	ppm	█ 1	█ 2	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 51	█ 56	---	---
Nickel	ppm	█ 0	█ 1	---	---
Titanium	ppm	█ 0	█ 0	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ <1	█ <1	---	---
Vanadium	ppm	<1	<1	---	---

### ADDITIVES

Calcium	ppm	█ 1513	█ 867	---	---
Magnesium	ppm	748	█ 950	---	---
Zinc	ppm	█ 1090	█ 1183	---	---
Phosphorus	ppm	█ 934	█ 874	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 19	█ 0	---	---

Depot: VP794951  
Unique No: 11007452  
Signed: Jonathan Hester  
Report Date: 06 May 2024

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## GRAPHS

