

# OIL ANALYSIS REPORT

# VOLVO PENTA

**MICHAEL FIORE DANIEL/502250 VOLVO PENTA 2006012630 - CENTER DIESEL ENGINE**

**Sample No:** VPA036895

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

## SAMPLE INFORMATION

Sample Number	VPA036895	VPA047442	---	---
Sample Date	23 Aug 2023	13 Feb 2023	---	---
Machine Hours	749	707	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Changd	N/A	---	---
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	█ 13.5	█ 13.7	---	---
Base Number (BN)	mg KOH/g	█ 9.4	█ 10.0	---	---
Oxidation (PA)	%	54	63	---	---

## 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.

## CONTAMINATION

Soot %	%	█ 0.1	█ 0.2	---	---
Nitration (PA)	%	57	59	---	---
Sulfation (PA)	%	49	56	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 3	█ 4	---	---
Sodium	ppm	█ 2	█ 1	---	---
Potassium	ppm	█ 0	█ 0	---	---

## WEAR METALS

Iron	ppm	█ 4	█ 5	---	---
Copper	ppm	█ 3	█ 5	---	---
Lead	ppm	█ 5	█ 8	---	---
Tin	ppm	█ <1	█ <1	---	---
Aluminum	ppm	█ <1	█ 2	---	---
Chromium	ppm	█ 0	█ <1	---	---
Molybdenum	ppm	█ 61	█ 62	---	---
Nickel	ppm	█ <1	█ <1	---	---
Titanium	ppm	█ 0	█ 0	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ 0	█ <1	---	---
Vanadium	ppm	<1	0	---	---

## ADDITIVES

Calcium	ppm	█ 1180	█ 1085	---	---
Magnesium	ppm	█ 1055	█ 947	---	---
Zinc	ppm	█ 1336	█ 1263	---	---
Phosphorus	ppm	█ 1097	█ 1035	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 0	█ 2	---	---

**Depot:** VP794951  
**Unique No:** 10619882  
**Signed:** Sean Felton  
**Report Date:** 28 Aug 2023

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## GRAPHS

