

# OIL ANALYSIS REPORT

# VOLVO PENTA

**TOM ALLMAND MIKE STEAD VOLVO PENTA 2006002990 - PORT DIESEL ENGINE**

**Sample No:** VPA052351

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

## SAMPLE INFORMATION

Sample Number	VPA052351	---	---	---
Sample Date	18 Apr 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

## OIL CONDITION

Visc @ 100°C	cSt	█ 13.7	---	---	---
Base Number (BN)	mg KOH/g	█ 9.7	---	---	---
Oxidation (PA)	%	60	---	---	---

## CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.3	---	---	---
Nitration (PA)	%	54	---	---	---
Sulfation (PA)	%	55	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 2	---	---	---
Sodium	ppm	█ < 1	---	---	---
Potassium	ppm	█ < 1	---	---	---

## WEAR METALS

Iron	ppm	█ 5	---	---	---
Copper	ppm	█ < 1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 63	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---

## ADDITIVES

Calcium	ppm	█ 1236	---	---	---
Magnesium	ppm	█ 1062	---	---	---
Zinc	ppm	█ 1441	---	---	---
Phosphorus	ppm	█ 1173	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

### Dry Harbour Marine

06357 US 31 South  
CHARLEVOIX, MI  
US 49720  
Contact: ZACH WARD  
zach@dryharbourmarine.com  
T:  
F:

### 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:** VP231375  
**Unique No:** 10994104  
**Signed:** Angela Borella  
**Report Date:** 25 Apr 2024

# OIL ANALYSIS REPORT

# VOLVO PENTA

## GRAPHS

