

# OIL ANALYSIS REPORT

# VOLVO PENTA

**THOMAS GILLINGHAM SAM VOLVO PENTA 7008539225 - PORT DIESEL ENGINE**

**Sample No:** VPA059071

**Oil Type:** VOLVO PENTA SAE 15W40

## SAMPLE INFORMATION

Sample Number	VPA059071	---	---	---
Sample Date	10 Jan 2024	---	---	---
Machine Hours	352	---	---	---
Oil Hours	192	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

**Endor Marine LLC - Coastal Marine - 152124**  
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## OIL CONDITION

Visc @ 100°C	cSt	█ 15.1	---	---	---
Base Number (BN)	mg KOH/g	█ 8.6	---	---	---
Oxidation (PA)	%	72	---	---	---

## 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 %	%	█ 2	---	---	---
Nitration (PA)	%	84	---	---	---
Sulfation (PA)	%	73	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 16	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 3	---	---	---

## WEAR METALS

Iron	ppm	█ 33	---	---	---
Copper	ppm	█ 90	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 5	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ 113	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ <1	---	---	---
Manganese	ppm	█ 1	---	---	---
Vanadium	ppm	0	---	---	---

## ADDITIVES

Calcium	ppm	█ 1617	---	---	---
Magnesium	ppm	█ 744	---	---	---
Zinc	ppm	█ 951	---	---	---
Phosphorus	ppm	█ 795	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	195	---	---	---

**Depot:** VP794951  
**Unique No:** 10836345  
**Signed:** Angela Borella  
**Report Date:** 22 Jan 2024

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## GRAPHS

