

# OIL ANALYSIS REPORT

# VOLVO PENTA

## BALZEREI VOLVO PENTA A472925 - PORT DIESEL ENGINE

**Sample No:** VPA049897  
**Oil Type:** NAPA Motor Oil 15W40

### SAMPLE INFORMATION

Sample Number	VPA049897	---	---	---
Sample Date	04 Nov 2023	---	---	---
Machine Hours	405	---	---	---
Oil Hours	25	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

**Outstanding Marine**  
PO Box 274  
GALENA, MD  
US 21635  
Contact: Ronda Bolinger  
rlwb@verizon.net  
T:  
F:

### OIL CONDITION

Visc @ 100°C	cSt	█ 13.68	---	---	---
Oxidation (PA)	%	44	---	---	---

### CONTAMINATION

Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	52	---	---	---
Sulfation (PA)	%	47	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 8	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ 3	---	---	---

### Diagnosis

No corrective action is recommended at this time. 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 condition of the oil is acceptable for the time in service.

### WEAR METALS

Iron	ppm	█ 13	---	---	---
Copper	ppm	█ 1	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 8	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---

### ADDITIVES

Calcium	ppm	█ 2033	---	---	---
Magnesium	ppm	76	---	---	---
Zinc	ppm	█ 1140	---	---	---
Phosphorus	ppm	█ 907	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 37	---	---	---

**Depot:** VP153685  
**Unique No:** 10727891  
**Signed:** Doug Bogart  
**Report Date:** 06 Nov 2023

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## GRAPHS

