

# OIL ANALYSIS REPORT

# VOLVO PENTA

## GERARD FEDERICI ALAN VOLVO PENTA A1024302 - STARBOARD DIESEL ENGINE

Sample No: VPA060904

Oil Type: DIESEL ENGINE OIL SAE 40

### SAMPLE INFORMATION

Sample Number	VPA060904	---	---	---
Sample Date	06 Dec 2023	---	---	---
Machine Hours	352	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

**Precision Marine Center Llc**  
290 Drake Ave  
NEW ROCHELLE, NY  
US 10805  
Contact: Marc Castellano  
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T:  
F:

### OIL CONDITION

Visc @ 100°C	cSt	█ 14.4	---	---	---
Base Number (BN)	mg KOH/g	█ 8.4	---	---	---
Oxidation (PA)	%	64	---	---	---

### 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

Water	%	NEG	---	---	---
Soot %	%	█ 0.7	---	---	---
Nitration (PA)	%	62	---	---	---
Sulfation (PA)	%	58	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 10	---	---	---
Sodium	ppm	█ < 1	---	---	---
Potassium	ppm	█ 6	---	---	---

### WEAR METALS

Iron	ppm	█ 30	---	---	---
Copper	ppm	█ 17	---	---	---
Lead	ppm	█ 6	---	---	---
Tin	ppm	█ < 1	---	---	---
Aluminum	ppm	█ 10	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ 7	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ < 1	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	█ 2284	---	---	---
Magnesium	ppm	█ 29	---	---	---
Zinc	ppm	█ 1235	---	---	---
Phosphorus	ppm	█ 983	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 211	---	---	---

**Depot:** VP850387  
**Unique No:** 10780098  
**Signed:** Don Baldrige  
**Report Date:** 13 Dec 2023

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## GRAPHS

