

# OIL ANALYSIS REPORT

# VOLVO PENTA

**JOHN CHRISTIANSON DANIEL/502605 CUMMINS J180436143 - INDUSTRIAL ENGINE - GENSET**

**Sample No:** VPA059212

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

## SAMPLE INFORMATION

Sample Number	VPA059212	---	---	---
Sample Date	20 Dec 2023	---	---	---
Machine Hours	158	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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

Visc @ 100°C	cSt	█ 13.0	---	---	---
Base Number (BN)	mg KOH/g	8.3	---	---	---
Oxidation (PA)	%	55	---	---	---

## 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 %	%	█ 0.1	---	---	---
Nitration (PA)	%	61	---	---	---
Sulfation (PA)	%	49	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 25	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 0	---	---	---

## WEAR METALS

Iron	ppm	█ 5	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	10	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ < 1	---	---	---
Vanadium	ppm	0	---	---	---

## ADDITIVES

Calcium	ppm	█ 1346	---	---	---
Magnesium	ppm	█ 607	---	---	---
Zinc	ppm	824	---	---	---
Phosphorus	ppm	663	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 79	---	---	---

**Depot:** VP794951  
**Unique No:** 10805110  
**Signed:** Don Baldrige  
**Report Date:** 27 Dec 2023

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## GRAPHS

