

# OIL ANALYSIS REPORT

# VOLVO PENTA

**JBYS 506055 VOLVO PENTA 70112055587 - STARBOARD DIESEL ENGINE**

**Sample No:** VPA052342

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

## SAMPLE INFORMATION

Sample Number	VPA052342	---	---	---
Sample Date	11 Mar 2024	---	---	---
Machine Hours	51	---	---	---
Oil Hours	51	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

**Jefferson Beach Yacht Sales Inc**

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## OIL CONDITION

Visc @ 100°C	cSt	█ 11.3	---	---	---
Base Number (BN)	mg KOH/g	█ 7.8	---	---	---
Oxidation (PA)	%	57	---	---	---

## Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. Fuel content negligible. 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)	%	57	---	---	---
Sulfation (PA)	%	50	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	█ 0.9	---	---	---
Silicon	ppm	█ 32	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 5	---	---	---

## WEAR METALS

Iron	ppm	█ 9	---	---	---
Copper	ppm	█ 13	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 78	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 1	---	---	---
Vanadium	ppm	<1	---	---	---

## ADDITIVES

Calcium	ppm	█ 2078	---	---	---
Magnesium	ppm	█ 152	---	---	---
Zinc	ppm	█ 1190	---	---	---
Phosphorus	ppm	█ 1037	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 86	---	---	---

**Depot:** VP297371

**Unique No:** 10940234

**Signed:** Sean Felton

**Report Date:** 26 Mar 2024

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## GRAPHS

