

# OIL ANALYSIS REPORT

# VOLVO PENTA

**MARK SARRAINO 318872 7008483285 - PORT DIESEL ENGINE**

**Sample No:** VPA056633

**Oil Type:** DIESEL ENGINE OIL SAE 40

## SAMPLE INFORMATION

Sample Number	VPA056633	---	---	---
Sample Date	26 Jul 2023	---	---	---
Machine Hours	10	---	---	---
Oil Hours	10	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

## OIL CONDITION

Visc @ 100°C	cSt	█ 14.4	---	---	---
Oxidation (PA)	%	51	---	---	---

## CONTAMINATION

Soot %	%	█ 0.4	---	---	---
Nitration (PA)	%	65	---	---	---
Sulfation (PA)	%	53	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 11	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ <1	---	---	---

## WEAR METALS

Iron	ppm	█ 7	---	---	---
Copper	ppm	█ 3	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 93	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ <1	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---

## ADDITIVES

Calcium	ppm	█ 2366	---	---	---
Magnesium	ppm	█ 103	---	---	---
Zinc	ppm	█ 1277	---	---	---
Phosphorus	ppm	█ 1172	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 64	---	---	---

**HINDSON MARINE SERVICE INC**  
79 CHAMPLAIN ROAD, P.O. BOX 5025  
Penetanguishene, ON  
CA L9M 2G2  
Contact: Brian Berriault  
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T: (705)549-2004  
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## Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 40. Please confirm. Metal levels are typical for a components first oil change. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** ROB79PEN  
**Unique No:** 5620337  
**Signed:** Kevin Marson  
**Report Date:** 11 Aug 2023

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## GRAPHS

