

# OIL ANALYSIS REPORT

# VOLVO PENTA

**DEAN HOLMES PATRICK/502464-7000 VOLVO PENTA 3950003273 - STARBOARD IPS**

**Sample No:** VPA059051

**Oil Type:** GEAR OIL SAE 75W90

## SAMPLE INFORMATION

Sample Number	VPA059051	VPA036010	---	---
Sample Date	15 Nov 2023	09 Sep 2021	---	---
Machine Hours	509	311	---	---
Oil Hours	0	10	---	---
Oil Changed	Changed	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---

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

Visc @ 40°C	cSt	█ 105	█ 108	---	---
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## CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	1	2	---	---
Sodium	ppm	█ 0	█ <1	---	---
Potassium	ppm	█ 2	█ 0	---	---

## 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 condition of the oil is acceptable for the time in service.

## WEAR METALS

PQ		█ 37	█ 20	---	---
Iron	ppm	█ 13	█ 9	---	---
Copper	ppm	1	1	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	1	3	---	---
Chromium	ppm	█ 0	█ 0	---	---
Molybdenum	ppm	█ <1	<1	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ <1	<1	---	---
Vanadium	ppm	0	0	---	---

## ADDITIVES

Calcium	ppm	█ 5	8	---	---
Magnesium	ppm	█ 2	12	---	---
Zinc	ppm	█ 0	1	---	---
Phosphorus	ppm	█ 1315	1409	---	---
Barium	ppm	█ 0	0	---	---
Boron	ppm	█ 372	277	---	---

**Depot:** VP794951  
**Unique No:** 10751861  
**Signed:** Jonathan Hester  
**Report Date:** 22 Nov 2023

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PENTA**

## GRAPHS

