

# OIL ANALYSIS REPORT

# VOLVO PENTA

**HUMPHREYS 235/585546 VOLVO PENTA 3940016676 - STARBOARD IPS**

**Sample No:** VPA039399

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

## SAMPLE INFORMATION

Sample Number	VPA039399	---	---	---
Sample Date	26 Feb 2024	---	---	---
Machine Hours	515	---	---	---
Oil Hours	200	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

## OIL CONDITION

Visc @ 40°C	cSt	█ 107	---	---	---
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## CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	19	---	---	---
Sodium	ppm	█ 7	---	---	---
Potassium	ppm	█ 1	---	---	---

## WEAR METALS

PQ		█ 26	---	---	---
Iron	ppm	▲ 434	---	---	---
Copper	ppm	█ 55	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	3	---	---	---
Chromium	ppm	█ 3	---	---	---
Molybdenum	ppm	█ 1	---	---	---
Nickel	ppm	█ 4	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 5	---	---	---
Vanadium	ppm	0	---	---	---

## ADDITIVES

Calcium	ppm	█ 11	---	---	---
Magnesium	ppm	█ 6	---	---	---
Zinc	ppm	█ 27	---	---	---
Phosphorus	ppm	█ 1270	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 114	---	---	---

### Galati Yacht Sales LLC

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### Diagnosis

Oil and filter change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Gear wear is indicated. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

**Depot:** VP648685  
**Unique No:** 10911249  
**Signed:** Sean Felton  
**Report Date:** 06 Mar 2024

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## GRAPHS

