

# OIL ANALYSIS REPORT

**VOLVO  
PENTA**

**BRIAN WHELAN 506145 ZF 20336298 - INBOARD - STARBOARD GEARBOX**

**Sample No:** VPA053684

**Oil Type:** RUBRO SAE 30

## SAMPLE INFORMATION

Sample Number	VPA053684	---	---	---
Sample Date	08 May 2024	---	---	---
Machine Hours	301	---	---	---
Oil Hours	144	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

**Jefferson Beach Yacht Sales Inc**

24400 Jefferson Ave.  
SAINT CLAIR SHORES, MI  
US 48080

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F:

## OIL CONDITION

Visc @ 40°C	cSt	■ 73.0	---	---	---
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## CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	■ 10	---	---	---
Sodium	ppm	■ 4	---	---	---
Potassium	ppm	■ 4	---	---	---

## 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		■ 44	---	---	---
Iron	ppm	■ 87	---	---	---
Copper	ppm	■ 119	---	---	---
Lead	ppm	■ 9	---	---	---
Tin	ppm	■ 4	---	---	---
Aluminum	ppm	■ 10	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 38	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	■ <1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 1	---	---	---
Vanadium	ppm	■ <1	---	---	---

## ADDITIVES

Calcium	ppm	■ 3045	---	---	---
Magnesium	ppm	■ 14	---	---	---
Zinc	ppm	■ 962	---	---	---
Phosphorus	ppm	■ 949	---	---	---
Barium	ppm	■ 2	---	---	---
Boron	ppm	■ 521	---	---	---

**Depot:** VP297371

**Unique No:** 11021908

**Signed:** Sean Felton

**Report Date:** 14 May 2024

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## GRAPHS

