

# OIL ANALYSIS REPORT

# VOLVO PENTA

**BRIAN WHELAN 506145 ZF 20336297 - INBOARD - PORT GEARBOX**

**Sample No:** VPA053075

**Oil Type:** RUBRO SAE 30

## SAMPLE INFORMATION

Sample Number	VPA053075	VPA031707	---	---
Sample Date	08 May 2024	05 Oct 2020	---	---
Machine Hours	301	153	---	---
Oil Hours	144	153	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ABNORMAL	NORMAL	---	---

**Jefferson Beach Yacht Sales Inc**

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SAINT CLAIR SHORES, MI  
US 48080

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## OIL CONDITION

Visc @ 40°C	cSt	■ 73.3	■ 74.6	---	---
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## CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	■ 11	■ 9	---	---
Sodium	ppm	■ 7	■ 5	---	---
Potassium	ppm	■ 2	■ 0	---	---

## Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. Bearing and/or bushing wear is indicated. 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		■ 34	■ 58	---	---
Iron	ppm	■ 86	■ 71	---	---
Copper	ppm	▲ 126	■ 62	---	---
Lead	ppm	■ 6	■ 9	---	---
Tin	ppm	▲ 6	■ 0	---	---
Aluminum	ppm	■ 8	■ 9	---	---
Chromium	ppm	■ <1	<1	---	---
Molybdenum	ppm	■ 39	■ 36	---	---
Nickel	ppm	■ 0	<1	---	---
Titanium	ppm	<1	■ <1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	1	■ 1	---	---
Vanadium	ppm	<1	0	---	---

## ADDITIVES

Calcium	ppm	3169	■ 3260	---	---
Magnesium	ppm	14	■ 14	---	---
Zinc	ppm	1024	■ 980	---	---
Phosphorus	ppm	1002	■ 855	---	---
Barium	ppm	2	■ 2	---	---
Boron	ppm	540	■ 399	---	---

**Depot:** VP297371

**Unique No:** 11021909

**Signed:** Sean Felton

**Report Date:** 14 May 2024

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## GRAPHS

