

# OIL ANALYSIS REPORT

# VOLVO PENTA

**BRAIN BROTTY 534297 YANMAR 05825 - INBOARD - PORT GEARBOX**

**Sample No:** VPA055766

**Oil Type:** SHELL ROTELLA T 30

## SAMPLE INFORMATION

Sample Number	VPA055766	---	---	---
Sample Date	15 Feb 2024	---	---	---
Machine Hours	1258	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	ABNORMAL	---	---	---

**Jas Marine Service Inc.**

1009 Newman RD.

LAKE PARK, FL

US 33403

Contact: DEBBIE

debbie@jasmarine.com

T: (561)844-3224

F:

## OIL CONDITION

Visc @ 40°C	cSt	■ 75.6	---	---	---
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## CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	■ 15	---	---	---
Sodium	ppm	■ 4	---	---	---
Potassium	ppm	■ 2	---	---	---

## WEAR METALS

PQ		■ 54	---	---	---
Iron	ppm	■ 97	---	---	---
Copper	ppm	▲ 179	---	---	---
Lead	ppm	■ 18	---	---	---
Tin	ppm	■ 7	---	---	---
Aluminum	ppm	■ 7	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 42	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	<1	---	---	---

## ADDITIVES

Calcium	ppm	■ 2585	---	---	---
Magnesium	ppm	■ 15	---	---	---
Zinc	ppm	■ 942	---	---	---
Phosphorus	ppm	■ 812	---	---	---
Barium	ppm	■ <1	---	---	---
Boron	ppm	■ 70	---	---	---

## Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. All other 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.

**Depot:** VP152963

**Unique No:** 10886160

**Signed:** Jonathan Hester

**Report Date:** 22 Feb 2024

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## GRAPHS

