

# OIL ANALYSIS REPORT

# VOLVO PENTA

**WOODWARD 500-222 JC VOLVO PENTA 3940018830 - PORT IPS**

**Sample No:** VPA057100  
**Oil Type:** VOLVO 90W

## SAMPLE INFORMATION

Sample Number	VPA057100	---	---	---
Sample Date	11 Dec 2023	---	---	---
Machine Hours	679	---	---	---
Oil Hours	80	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

**Outstanding Marine**  
PO Box 274  
GALENA, MD  
US 21635  
Contact: Ronda Bolinger  
rlwb@verizon.net  
T:  
F:

## OIL CONDITION

Visc @ 40°C	cSt	■ 108	---	---	---
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## CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	11	---	---	---
Sodium	ppm	■ 1	---	---	---
Potassium	ppm	■ 0	---	---	---

## WEAR METALS

PQ		■ 21	---	---	---
Iron	ppm	■ 112	---	---	---
Copper	ppm	9	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	1	---	---	---
Chromium	ppm	■ 1	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	2	---	---	---
Vanadium	ppm	<1	---	---	---

## ADDITIVES

Calcium	ppm	0	---	---	---
Magnesium	ppm	0	---	---	---
Zinc	ppm	0	---	---	---
Phosphorus	ppm	1249	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	283	---	---	---

## Diagnosis

No corrective action is recommended at this time. 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.

**Depot:** VP153685  
**Unique No:** 10816480  
**Signed:** Doug Bogart  
**Report Date:** 04 Jan 2024

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## GRAPHS

