

# OIL ANALYSIS REPORT

# VOLVO PENTA

**ENGEL 520-200 PIG VOLVO PENTA 3200002899 - PORT IPS**

**Sample No:** VPA057022

**Oil Type:** {unknown}

## SAMPLE INFORMATION

Sample Number	VPA057022	---	---	---
Sample Date	19 Dec 2023	---	---	---
Machine Hours	93	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

### Outstanding Marine

PO Box 274  
GALENA, MD  
US 21635  
Contact: Ronda Bolinger  
rlwb@verizon.net

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F:

## OIL CONDITION

Visc @ 40°C	cSt	■ 103	---	---	---
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## CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	2	---	---	---
Sodium	ppm	■ <1	---	---	---
Potassium	ppm	■ 1	---	---	---

## 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.

## WEAR METALS

PQ		■ 14	---	---	---
Iron	ppm	■ 16	---	---	---
Copper	ppm	7	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	<1	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	1	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	<1	---	---	---

## ADDITIVES

Calcium	ppm	51	---	---	---
Magnesium	ppm	103	---	---	---
Zinc	ppm	5	---	---	---
Phosphorus	ppm	1343	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	340	---	---	---

**Depot:** VP153685  
**Unique No:** 10816475  
**Signed:** Doug Bogart  
**Report Date:** 04 Jan 2024

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## GRAPHS

