

# OIL ANALYSIS REPORT

**VOLVO  
PENTA**

**590-27 590-27 MERCUISER OM978237 - ZEUS - PORT GEARBOX**

**Sample No:** VPA059553

**Oil Type:** NOT GIVEN

## SAMPLE INFORMATION

Sample Number	VPA059553	---	---	---
Sample Date	03 Nov 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---

## OIL CONDITION

Visc @ 40°C	cSt	■ 160.2	---	---	---
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## CONTAMINATION

Silicon	ppm	■ 7	---	---	---
Sodium	ppm	■ 117	---	---	---
Potassium	ppm	■ 8	---	---	---

## WEAR METALS

PQ		● 310	---	---	---
Iron	ppm	● 1070	---	---	---
Copper	ppm	■ 34	---	---	---
Lead	ppm	■ 2	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 5	---	---	---
Chromium	ppm	▲ 12	---	---	---
Molybdenum	ppm	■ 36	---	---	---
Nickel	ppm	■ 6	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	17	---	---	---
Vanadium	ppm	<1	---	---	---

## ADDITIVES

Calcium	ppm	28	---	---	---
Magnesium	ppm	18	---	---	---
Zinc	ppm	41	---	---	---
Phosphorus	ppm	446	---	---	---
Barium	ppm	7	---	---	---
Boron	ppm	11	---	---	---

### Outstanding Marine

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### Diagnosis

We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Gear wear is indicated. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

**Depot:** VP153685  
**Unique No:** 10729226  
**Signed:** Doug Bogart  
**Report Date:** 07 Nov 2023

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## GRAPHS

