

# OIL ANALYSIS REPORT

# VOLVO PENTA

**MARCO KRONEN AARON 502523 VOLVO PENTA A902023 - STERNDRIVE - PORT GEARBOX**

**Sample No:** VPA043252

**Oil Type:** VOLVO PENTA GL-5 SAE 75W90

## SAMPLE INFORMATION

Sample Number	VPA043252	VPA033369	---	---
Sample Date	13 Nov 2023	13 Jul 2022	---	---
Machine Hours	1210	0	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	SEVERE	SEVERE	---	---

**Endor Marine LLC - Coastal Marine - 152124**  
4300 11th Ave. NW  
SEATTLE, WA  
US 98107  
Contact: WILLOW YANARELLA  
service@coastalmarineengine.com  
T: (206)784-3703  
F: (206)784-8823

## OIL CONDITION

Visc @ 40°C	cSt	█ 103	█ 106	---	---
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## CONTAMINATION

Water	%	▲ 0.985	▲ 0.822	---	---
Silicon	ppm	█ 3	█ 3	---	---
Sodium	ppm	█ 34	█ 21	---	---
Potassium	ppm	█ 2	█ <1	---	---

## WEAR METALS

PQ		█ 38	█ 23	---	---
Iron	ppm	● 489	● 457	---	---
Copper	ppm	█ 2	█ 2	---	---
Lead	ppm	█ 0	█ <1	---	---
Tin	ppm	█ 0	█ <1	---	---
Aluminum	ppm	● 10	● 16	---	---
Chromium	ppm	█ 6	5	---	---
Molybdenum	ppm	█ <1	█ <1	---	---
Nickel	ppm	█ 7	10	---	---
Titanium	ppm	<1	1	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	█ 5	█ 5	---	---
Vanadium	ppm	0	0	---	---

## ADDITIVES

Calcium	ppm	█ 8	█ 8	---	---
Magnesium	ppm	█ 7	█ 4	---	---
Zinc	ppm	█ 14	█ 8	---	---
Phosphorus	ppm	█ 1337	█ 1331	---	---
Barium	ppm	█ <1	█ 0	---	---
Boron	ppm	█ 321	█ 284	---	---

## Diagnosis

We advise that you check for the source of water entry. 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. Appearance is unacceptable. There is a high concentration of water present in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

**Depot:** VP794951  
**Unique No:** 10750294  
**Signed:** Sean Felton  
**Report Date:** 21 Nov 2023

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## GRAPHS

