

# OIL ANALYSIS REPORT

# VOLVO PENTA

**RICHARD FABIAN BRETT/502769 VOLVO PENTA A849851 - STERNDRIVE - PORT GEARBOX**

**Sample No:** VPA059264

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

## SAMPLE INFORMATION

Sample Number	VPA059264	VPA043313	---	---
Sample Date	26 Mar 2024	27 Sep 2022	---	---
Machine Hours	362	287	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	N/A	---	---
Sample Status	SEVERE	ATTENTION	---	---

**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	█ 122	█ 154	---	---
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## CONTAMINATION

Water	%	▲ 2.70	● 0.817	---	---
Silicon	ppm	█ 9	█ 6	---	---
Sodium	ppm	█ 81	█ 8	---	---
Potassium	ppm	█ 5	█ <1	---	---

## WEAR METALS

PQ		█ 110	█ 34	---	---
Iron	ppm	▲ 313	█ 112	---	---
Copper	ppm	█ 3	█ 1	---	---
Lead	ppm	█ 1	█ <1	---	---
Tin	ppm	█ 1	█ 0	---	---
Aluminum	ppm	▲ 39	● 27	---	---
Chromium	ppm	█ 6	3	---	---
Molybdenum	ppm	█ 1	<1	---	---
Nickel	ppm	▲ 15	5	---	---
Titanium	ppm	1	<1	---	---
Silver	ppm	0	3	---	---
Manganese	ppm	█ 6	8	---	---
Vanadium	ppm	<1	<1	---	---

## ADDITIVES

Calcium	ppm	█ 17	37	---	---
Magnesium	ppm	█ 47	660	---	---
Zinc	ppm	█ 44	65	---	---
Phosphorus	ppm	█ 1432	1305	---	---
Barium	ppm	█ 0	0	---	---
Boron	ppm	█ 315	339	---	---

## Diagnosis

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Gear wear is indicated. Appearance is milky. There is a high concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

**Depot:** VP794951  
**Unique No:** 10954730  
**Signed:** Jonathan Hester  
**Report Date:** 04 Apr 2024

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## GRAPHS

