

# OIL ANALYSIS REPORT

# VOLVO PENTA

**BRUCE ESTES PATRICK/502258-7250 VOLVO PENTA 3950003096 - PORT IPS**

**Sample No:** VPA059049

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

## SAMPLE INFORMATION

Sample Number	VPA059049	---	---	---
Sample Date	04 Dec 2023	---	---	---
Machine Hours	456	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

**Endor Marine LLC - Coastal Marine - 152124**  
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## OIL CONDITION

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

Water	%	NEG	---	---	---
Silicon	ppm	0	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ <1	---	---	---

## WEAR METALS

PQ		█ 17	---	---	---
Iron	ppm	█ 29	---	---	---
Copper	ppm	2	---	---	---
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	█ 1	---	---	---
Vanadium	ppm	0	---	---	---

## ADDITIVES

Calcium	ppm	█ 10	---	---	---
Magnesium	ppm	█ 2	---	---	---
Zinc	ppm	█ 2	---	---	---
Phosphorus	ppm	█ 1406	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 320	---	---	---

## Diagnosis

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:** VP794951  
**Unique No:** 10779506  
**Signed:** Don Baldrige  
**Report Date:** 12 Dec 2023

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## GRAPHS

