

# OIL ANALYSIS REPORT

# VOLVO PENTA

**NADINE URUIOLI KALLSEN 2300563 VOLVO PENTA 3950005861 - PORT IPS**

**Sample No:** VPA059823

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

## SAMPLE INFORMATION

Sample Number	VPA059823	---	---	---
Sample Date	15 Nov 2023	---	---	---
Machine Hours	457	---	---	---
Oil Hours	457	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

### Helmut's Marine Service

619 Canal Street  
SAN RAFAEL, CA  
US 94901-3545  
Contact: NADINE URUIOLI  
SERVICE@HELMUTSMARINE.COM

T: x:

F: x:

## OIL CONDITION

Visc @ 40°C	cSt	█ 105	---	---	---
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## CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	1	---	---	---
Sodium	ppm	█ 5	---	---	---
Potassium	ppm	█ 0	---	---	---

## WEAR METALS

PQ		█ 12	---	---	---
Iron	ppm	█ 8	---	---	---
Copper	ppm	2	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	<1	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 3	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---

## ADDITIVES

Calcium	ppm	█ 92	---	---	---
Magnesium	ppm	12	---	---	---
Zinc	ppm	█ 29	---	---	---
Phosphorus	ppm	█ 1419	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 301	---	---	---

## Diagnosis

Oil and filter change at the time of sampling has been noted. 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:** VP152741

**Unique No:** 10762940

**Signed:** Doug Bogart

**Report Date:** 28 Nov 2023

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## GRAPHS

