

# OIL ANALYSIS REPORT

# VOLVO PENTA

**SAM MUIR SAM MUIR VOLVO PENTA 3950007258 - STARBOARD IPS**

**Sample No:** VPA060767

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

## SAMPLE INFORMATION

Sample Number	VPA060767	---	---	---
Sample Date	25 Mar 2024	---	---	---
Machine Hours	274	---	---	---
Oil Hours	274	---	---	---
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	█ 103	---	---	---
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## CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	6	---	---	---
Sodium	ppm	█ 17	---	---	---
Potassium	ppm	█ 3	---	---	---

## 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.

## WEAR METALS

PQ		█ 15	---	---	---
Iron	ppm	█ 94	---	---	---
Copper	ppm	█ 12	---	---	---
Lead	ppm	2	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	6	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ 1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 6	---	---	---
Vanadium	ppm	0	---	---	---

## ADDITIVES

Calcium	ppm	█ 12	---	---	---
Magnesium	ppm	█ 11	---	---	---
Zinc	ppm	█ 117	---	---	---
Phosphorus	ppm	█ 1380	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 227	---	---	---

**Depot:** VP152741

**Unique No:** 10963650

**Signed:** Don Baldrige

**Report Date:** 08 Apr 2024

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## GRAPHS

