

# OIL ANALYSIS REPORT

# VOLVO PENTA

**NADINE URUIOLI 2300500-SHERIFF VOLVO PENTA 3100005575 - STERNDRIVE - GEARBOX**

**Sample No:** VPA059232

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

## SAMPLE INFORMATION

Sample Number	VPA059232	---	---	---
Sample Date	29 Sep 2023	---	---	---
Machine Hours	209	---	---	---
Oil Hours	209	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

## OIL CONDITION

Visc @ 40°C	cSt	■ 86.9	---	---	---
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## CONTAMINATION

Silicon	ppm	■ 6	---	---	---
Sodium	ppm	■ 1	---	---	---
Potassium	ppm	■ 13	---	---	---

## WEAR METALS

PQ		■ 17	---	---	---
Iron	ppm	■ 124	---	---	---
Copper	ppm	■ 2	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 0	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ <1	---	---	---
Nickel	ppm	■ 2	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 7	---	---	---
Vanadium	ppm	0	---	---	---

## ADDITIVES

Calcium	ppm	■ 30	---	---	---
Magnesium	ppm	■ 860	---	---	---
Zinc	ppm	■ 12	---	---	---
Phosphorus	ppm	■ 1603	---	---	---
Barium	ppm	■ <1	---	---	---
Boron	ppm	■ 515	---	---	---

### Helmut's Marine Service

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

### 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:** VP152741  
**Unique No:** 10686288  
**Signed:** Don Baldrige  
**Report Date:** 12 Oct 2023

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## GRAPHS

