

# OIL ANALYSIS REPORT

# VOLVO PENTA

**NADINE URCIOLI J. MACNIVEN VOLVO PENTA 3020289460 - STERNDRIVE - PORT GEARBOX**

**Sample No:** VPA051898

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

## SAMPLE INFORMATION

Sample Number	VPA051898	---	---	---
Sample Date	04 Mar 2024	---	---	---
Machine Hours	802	---	---	---
Oil Hours	802	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

## OIL CONDITION

Visc @ 40°C	cSt	■ 109	---	---	---
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## CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	■ 4	---	---	---
Sodium	ppm	■ 8	---	---	---
Potassium	ppm	■ 2	---	---	---

## WEAR METALS

PQ		■ 101	---	---	---
Iron	ppm	■ 132	---	---	---
Copper	ppm	■ <1	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	● 16	---	---	---
Chromium	ppm	■ 2	---	---	---
Molybdenum	ppm	■ <1	---	---	---
Nickel	ppm	■ 5	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 4	---	---	---
Vanadium	ppm	<1	---	---	---

## ADDITIVES

Calcium	ppm	■ 5	---	---	---
Magnesium	ppm	■ 13	---	---	---
Zinc	ppm	■ 22	---	---	---
Phosphorus	ppm	■ 1924	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 454	---	---	---

### Helmut's Marine Service

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

T: x:

F: x:

## Diagnosis

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. The aluminum level is abnormal. All other 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:** 10926216

**Signed:** Don Baldrige

**Report Date:** 15 Mar 2024

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## GRAPHS

