

# OIL ANALYSIS REPORT

# VOLVO PENTA

**SILVER SEAS VOLVO PENTA 3940021543 - PORT IPS**

**Sample No:** VPA058329  
**Oil Type:** GEAR OIL SAE 75W90

## SAMPLE INFORMATION

Sample Number	VPA058329	VPA019718	---	---
Sample Date	14 Mar 2024	04 Jun 2020	---	---
Machine Hours	552	282	---	---
Oil Hours	552	47	---	---
Oil Changed	Not Changd	Not Changd	---	---
Sample Status	NORMAL	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	█ 102.6	---	---
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## CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	8	13	---	---
Sodium	ppm	█ <1	█ 1	---	---
Potassium	ppm	█ <1	█ 0	---	---

## WEAR METALS

PQ		█ 14	█ 26	---	---
Iron	ppm	█ 21	█ 45	---	---
Copper	ppm	5	8	---	---
Lead	ppm	<1	0	---	---
Tin	ppm	<1	0	---	---
Aluminum	ppm	2	2	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ <1	█ 0	---	---
Nickel	ppm	█ <1	█ 1	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ <1	█ 2	---	---
Vanadium	ppm	<1	0	---	---

## ADDITIVES

Calcium	ppm	█ 9	█ 9	---	---
Magnesium	ppm	█ 3	█ 89	---	---
Zinc	ppm	█ 2	█ 7	---	---
Phosphorus	ppm	█ 1247	█ 1271	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 308	█ 288	---	---

## Diagnosis

No corrective action is recommended at this time. 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:** 10938142  
**Signed:** Doug Bogart  
**Report Date:** 21 Mar 2024

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**VOLVO  
PENTA**

## GRAPHS

