

# OIL ANALYSIS REPORT

# VOLVO PENTA

**NADINE UCIUOLI PHIL REISCHMAN VOLVO PENTA 3950008317 - PORT IPS**

**Sample No:** VPA051577

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

## SAMPLE INFORMATION

Sample Number	<b>VPA051577</b>	VPA041099	---	---
Sample Date	<b>11 Jan 2024</b>	10 Nov 2022	---	---
Machine Hours	<b>218</b>	98	---	---
Oil Hours	<b>218</b>	98	---	---
Oil Changed	<b>Changed</b>	Not Changd	---	---
Sample Status	<b>NORMAL</b>	NORMAL	---	---

### Helmut's Marine Service

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

T: x:

F: x:

## OIL CONDITION

Visc @ 40°C	cSt	<b>105</b>	101	---	---
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## CONTAMINATION

Water	%	<b>NEG</b>	NEG	---	---
Silicon	ppm	<b>1</b>	7	---	---
Sodium	ppm	<b>2</b>	5	---	---
Potassium	ppm	<b>5</b>	12	---	---

## 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		<b>10</b>	18	---	---
Iron	ppm	<b>17</b>	23	---	---
Copper	ppm	<b>3</b>	4	---	---
Lead	ppm	<b>0</b>	0	---	---
Tin	ppm	<b>0</b>	<1	---	---
Aluminum	ppm	<b>&lt;1</b>	1	---	---
Chromium	ppm	<b>&lt;1</b>	<1	---	---
Molybdenum	ppm	<b>0</b>	0	---	---
Nickel	ppm	<b>0</b>	0	---	---
Titanium	ppm	<b>0</b>	0	---	---
Silver	ppm	<b>0</b>	0	---	---
Manganese	ppm	<b>1</b>	5	---	---
Vanadium	ppm	<b>&lt;1</b>	0	---	---

## ADDITIVES

Calcium	ppm	<b>49</b>	36	---	---
Magnesium	ppm	<b>216</b>	893	---	---
Zinc	ppm	<b>7</b>	6	---	---
Phosphorus	ppm	<b>1359</b>	1535	---	---
Barium	ppm	<b>0</b>	0	---	---
Boron	ppm	<b>350</b>	631	---	---

**Depot:** VP152741

**Unique No:** 10843770

**Signed:** Sean Felton

**Report Date:** 23 Jan 2024

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## GRAPHS

