

# OIL ANALYSIS REPORT



**NADINE URCIUOLI NICK MULFORD VOLVO PENTA 3200003653 - PORT IPS**

**Sample No:** VPA051684

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

## SAMPLE INFORMATION

Sample Number	<b>VPA051684</b>	VPA052152	---	---
Sample Date	<b>23 May 2024</b>	12 Feb 2024	---	---
Machine Hours	<b>100</b>	55	---	---
Oil Hours	<b>55</b>	55	---	---
Oil Changed	<b>Not Changd</b>	Not Changd	---	---
Sample Status	<b>NORMAL</b>	NORMAL	---	---

**Helmut's Marine Service**  
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 SAN RAFAEL, CA  
 US 94901-3545  
 Contact: NADINE URCIUOLI  
 SERVICE@HELMUTSMARINE.COM  
 T: x:  
 F: x:

## OIL CONDITION

Visc @ 40°C	cSt	<b>105.3</b>	106	---	---
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## CONTAMINATION

Water	%	<b>NEG</b>	NEG	---	---
Silicon	ppm	<b>2</b>	<1	---	---
Sodium	ppm	<b>2</b>	0	---	---
Potassium	ppm	<b>3</b>	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		<b>19</b>	22	---	---
Iron	ppm	<b>14</b>	14	---	---
Copper	ppm	<b>3</b>	3	---	---
Lead	ppm	<b>2</b>	0	---	---
Tin	ppm	<b>&lt;1</b>	0	---	---
Aluminum	ppm	<b>&lt;1</b>	2	---	---
Chromium	ppm	<b>0</b>	<1	---	---
Molybdenum	ppm	<b>&lt;1</b>	0	---	---
Nickel	ppm	<b>&lt;1</b>	0	---	---
Titanium	ppm	<b>0</b>	<1	---	---
Silver	ppm	<b>0</b>	0	---	---
Manganese	ppm	<b>2</b>	1	---	---
Vanadium	ppm	<b>0</b>	0	---	---

## ADDITIVES

Calcium	ppm	<b>68</b>	11	---	---
Magnesium	ppm	<b>136</b>	124	---	---
Zinc	ppm	<b>19</b>	0	---	---
Phosphorus	ppm	<b>1483</b>	1396	---	---
Barium	ppm	<b>0</b>	10	---	---
Boron	ppm	<b>365</b>	327	---	---

**Depot:** VP152741  
**Unique No:** 11047668  
**Signed:** Doug Bogart  
**Report Date:** 24 May 2024

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# VOLVO PENTA

## GRAPHS

