

# OIL ANALYSIS REPORT



**GREG GARTRELL GEOFF VOLVO PENTA 3940017937 - PORT IPS**

**Sample No:** VPA055224  
**Oil Type:** GEAR OIL SAE 75W90

## SAMPLE INFORMATION

Sample Number	<b>VPA055224</b>	VPA034065	VPA038679	---
Sample Date	<b>27 Jun 2023</b>	19 Apr 2022	07 Jul 2021	---
Machine Hours	<b>0</b>	722	626	---
Oil Hours	<b>0</b>	0	100	---
Oil Changed	<b>Not Changd</b>	Changed	Changed	---
Sample Status	<b>NORMAL</b>	NORMAL	ATTENTION	---

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## OIL CONDITION

Visc @ 40°C	cSt	<b>109</b>	112	106	---
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## CONTAMINATION

Silicon	ppm	<b>7</b>	8	13	---
Sodium	ppm	<b>0</b>	<1	7	---
Potassium	ppm	<b>&lt;1</b>	1	<1	---

## 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>17</b>	23	43	---
Iron	ppm	<b>59</b>	97	222	---
Copper	ppm	<b>3</b>	5	17	---
Lead	ppm	<b>&lt;1</b>	<1	<1	---
Tin	ppm	<b>0</b>	0	<1	---
Aluminum	ppm	<b>0</b>	1	0	---
Chromium	ppm	<b>&lt;1</b>	1	2	---
Molybdenum	ppm	<b>0</b>	<1	<1	---
Nickel	ppm	<b>0</b>	0	2	---
Titanium	ppm	<b>0</b>	0	0	---
Silver	ppm	<b>0</b>	<1	0	---
Manganese	ppm	<b>&lt;1</b>	1	3	---
Vanadium	ppm	<b>0</b>	0	0	---

## ADDITIVES

Calcium	ppm	<b>2</b>	<1	32	---
Magnesium	ppm	<b>3</b>	8	31	---
Zinc	ppm	<b>4</b>	4	30	---
Phosphorus	ppm	<b>1354</b>	1272	1360	---
Barium	ppm	<b>2</b>	0	0	---
Boron	ppm	<b>370</b>	340	340	---

**Depot:** VP794951  
**Unique No:** 10547402  
**Signed:** Doug Bogart  
**Report Date:** 07 Jul 2023

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## GRAPHS

