

# OIL ANALYSIS REPORT



**BRAD LARKIN 1610087 VOLVO PENTA 3940026491 - PORT IPS**

**Sample No:** VPA045534

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

## SAMPLE INFORMATION

Sample Number	<b>VPA045534</b>	VPA045139	VPA032038	---
Sample Date	<b>18 Apr 2024</b>	21 Mar 2022	18 May 2021	---
Machine Hours	<b>1652</b>	1283	2	---
Oil Hours	<b>163</b>	165	2	---
Oil Changed	<b>Changed</b>	Changed	Not Changd	---
Sample Status	<b>ABNORMAL</b>	NORMAL	NORMAL	---

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## OIL CONDITION

Visc @ 40°C	cSt	<b>93.8</b>	107	111	---
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## CONTAMINATION

Water	%	<b>0.258</b>	NEG	NEG	---
Silicon	ppm	<b>5</b>	7	7	---
Sodium	ppm	<b>2</b>	<1	<1	---
Potassium	ppm	<b>0</b>	0	1	---

## Diagnosis

Oil and filter 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. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. There is a light concentration of water present in the oil. The condition of the oil is acceptable for the time in service.

## WEAR METALS

PQ		<b>15</b>	23	25	---
Iron	ppm	<b>16</b>	40	10	---
Copper	ppm	<b>4</b>	5	1	---
Lead	ppm	<b>0</b>	0	0	---
Tin	ppm	<b>0</b>	<1	<1	---
Aluminum	ppm	<b>0</b>	1	<1	---
Chromium	ppm	<b>0</b>	<1	<1	---
Molybdenum	ppm	<b>&lt;1</b>	<1	<1	---
Nickel	ppm	<b>0</b>	<1	<1	---
Titanium	ppm	<b>0</b>	0	<1	---
Silver	ppm	<b>0</b>	0	<1	---
Manganese	ppm	<b>&lt;1</b>	3	3	---
Vanadium	ppm	<b>0</b>	0	0	---

## ADDITIVES

Calcium	ppm	<b>2</b>	10	11	---
Magnesium	ppm	<b>0</b>	79	119	---
Zinc	ppm	<b>0</b>	6	2	---
Phosphorus	ppm	<b>1443</b>	1339	1380	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>560</b>	343	383	---

**Depot:** VP99031103  
**Unique No:** 11002868  
**Signed:** Sean Felton  
**Report Date:** 30 Apr 2024

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**VOLVO  
PENTA**

## GRAPHS

