

# OIL ANALYSIS REPORT

# VOLVO PENTA

**AARON EASTERLY 501635 VOLVO PENTA 3950002934 - STARBOARD IPS**

**Sample No:** VPA050537

**Oil Type:** GEAR OIL SAE 75W90

## SAMPLE INFORMATION

Sample Number	<b>VPA050537</b>	VPA034048	VPA038683	---
Sample Date	<b>03 Jul 2023</b>	17 Aug 2022	06 Jul 2021	---
Machine Hours	<b>395</b>	0	561	---
Oil Hours	<b>0</b>	0	10	---
Oil Changed	<b>Changed</b>	Not Changd	N/A	---
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	---

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## OIL CONDITION

Visc @ 40°C	cSt	<b>111</b>	106	108	---
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## CONTAMINATION

Silicon	ppm	<b>3</b>	<1	2	---
Sodium	ppm	<b>0</b>	2	0	---
Potassium	ppm	<b>7</b>	<1	<1	---

## WEAR METALS

PQ		<b>16</b>	7	24	---
Iron	ppm	<b>31</b>	10	20	---
Copper	ppm	<b>3</b>	<1	2	---
Lead	ppm	<b>0</b>	<1	<1	---
Tin	ppm	<b>0</b>	<1	0	---
Aluminum	ppm	<b>0</b>	1	0	---
Chromium	ppm	<b>&lt;1</b>	<1	<1	---
Molybdenum	ppm	<b>0</b>	<1	0	---
Nickel	ppm	<b>&lt;1</b>	0	0	---
Titanium	ppm	<b>0</b>	0	0	---
Silver	ppm	<b>&lt;1</b>	<1	0	---
Manganese	ppm	<b>5</b>	<1	<1	---
Vanadium	ppm	<b>0</b>	0	0	---

## ADDITIVES

Calcium	ppm	<b>19</b>	9	3	---
Magnesium	ppm	<b>35</b>	3	6	---
Zinc	ppm	<b>4</b>	5	0	---
Phosphorus	ppm	<b>1384</b>	1385	1362	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>387</b>	356	397	---

## 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:** VP794951  
**Unique No:** 10549803  
**Signed:** Sean Felton  
**Report Date:** 11 Jul 2023

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## GRAPHS

