

# OIL ANALYSIS REPORT

# VOLVO PENTA

**GEOFF/502260 VOLVO PENTA 3950001710 - STARBOARD IPS**

**Sample No:** VPA049554

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

## SAMPLE INFORMATION

Sample Number	VPA049554	VPA037048	---	---
Sample Date	09 Aug 2023	02 Feb 2022	---	---
Machine Hours	0	388	---	---
Oil Hours	0	129	---	---
Oil Changed	Not Changd	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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## OIL CONDITION

Visc @ 40°C	cSt	█ 107	█ 103	---	---
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## CONTAMINATION

Silicon	ppm	█ 4	█ 6	---	---
Sodium	ppm	█ 0	█ 1	---	---
Potassium	ppm	█ <1	█ <1	---	---

## WEAR METALS

PQ		█ 29	█ 21	---	---
Iron	ppm	█ 18	█ 18	---	---
Copper	ppm	█ 2	█ 2	---	---
Lead	ppm	█ 0	█ <1	---	---
Tin	ppm	█ 0	█ <1	---	---
Aluminum	ppm	█ 3	█ 1	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 0	█ 1	---	---
Nickel	ppm	█ <1	█ <1	---	---
Titanium	ppm	█ 0	█ 0	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ 2	█ <1	---	---
Vanadium	ppm	█ 0	█ 0	---	---

## ADDITIVES

Calcium	ppm	█ 5	█ 22	---	---
Magnesium	ppm	█ 5	█ 9	---	---
Zinc	ppm	█ 4	█ 7	---	---
Phosphorus	ppm	█ 1347	█ 1457	---	---
Barium	ppm	█ 2	█ 0	---	---
Boron	ppm	█ 357	█ 849	---	---

## Diagnosis

Resample at the next service interval to monitor. Tests do not reveal cause for reported problem. All component wear rates are normal. There is no indication of any contamination in the component. The condition of the oil is acceptable for the time in service.

**Depot:** VP794951  
**Unique No:** 10603654  
**Signed:** Don Baldrige  
**Report Date:** 15 Aug 2023

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## GRAPHS

