

# OIL ANALYSIS REPORT

# VOLVO PENTA

**GEORGE RABATIM DANIEL/502779 VOLVO PENTA 3940028231 - STARBOARD IPS**

**Sample No:** VPA053195  
**Oil Type:** GEAR OIL SAE 75W90

## SAMPLE INFORMATION

Sample Number	VPA053195	VPA045696	---	---
Sample Date	27 Mar 2024	13 Apr 2023	---	---
Machine Hours	643	423	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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## OIL CONDITION

Visc @ 40°C	cSt	█ 108	█ 109	---	---
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## CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	8	17	---	---
Sodium	ppm	█ <1	█ 3	---	---
Potassium	ppm	█ 3	█ 8	---	---

## Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.

## WEAR METALS

PQ		█ 22	█ 22	---	---
Iron	ppm	█ 21	█ 46	---	---
Copper	ppm	5	7	---	---
Lead	ppm	<1	0	---	---
Tin	ppm	1	0	---	---
Aluminum	ppm	2	1	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 1	█ <1	---	---
Nickel	ppm	█ <1	█ <1	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ 2	█ 6	---	---
Vanadium	ppm	<1	0	---	---

## ADDITIVES

Calcium	ppm	█ 9	█ 17	---	---
Magnesium	ppm	█ 11	96	---	---
Zinc	ppm	█ 0	█ 8	---	---
Phosphorus	ppm	█ 1274	█ 1407	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 306	█ 330	---	---

**Depot:** VP794951  
**Unique No:** 10954745  
**Signed:** Jonathan Hester  
**Report Date:** 04 Apr 2024

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## GRAPHS

