

# OIL ANALYSIS REPORT

# VOLVO PENTA

**MICHAEL ELDRIDGE SAM VOLVO PENTA 3200002812 (S/N 320002812) - STARBOARD IPS**

**Sample No:** VPA059179

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

## SAMPLE INFORMATION

Sample Number	VPA059179	VPA056570	---	---
Sample Date	05 Mar 2024	23 May 2023	---	---
Machine Hours	390	237	---	---
Oil Hours	151	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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## OIL CONDITION

Visc @ 40°C	cSt	█ 102	█ 95.4	---	---
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## CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	3	4	---	---
Sodium	ppm	█ 11	█ 9	---	---
Potassium	ppm	█ 8	█ 12	---	---

## 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		█ 22	█ 17	---	---
Iron	ppm	█ 63	█ 33	---	---
Copper	ppm	█ 13	█ 15	---	---
Lead	ppm	0	0	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	2	3	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 0	<1	---	---
Nickel	ppm	█ 2	█ <1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	█ 3	4	---	---
Vanadium	ppm	0	0	---	---

## ADDITIVES

Calcium	ppm	█ 9	33	---	---
Magnesium	ppm	86	947	---	---
Zinc	ppm	█ 9	0	---	---
Phosphorus	ppm	█ 1409	1644	---	---
Barium	ppm	█ 0	0	---	---
Boron	ppm	█ 220	574	---	---

**Depot:** VP794951  
**Unique No:** 10915819  
**Signed:** Don Baldrige  
**Report Date:** 11 Mar 2024

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**VOLVO  
PENTA**

## GRAPHS

