

# OIL ANALYSIS REPORT

# VOLVO PENTA

**MARK LINTON SAM VOLVO PENTA 3940023987 - STARBOARD IPS**

**Sample No:** VPA053121

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

## SAMPLE INFORMATION

Sample Number	<b>VPA053121</b>	VPA044743	VPA043227	---
Sample Date	<b>09 May 2024</b>	13 Dec 2022	23 Sep 2022	---
Machine Hours	<b>351</b>	281	270	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Changed</b>	Changed	Not Changd	---
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	---

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## OIL CONDITION

Visc @ 40°C	cSt	<b>106</b>	105	105	---
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## CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	---
Silicon	ppm	<b>10</b>	6	7	---
Sodium	ppm	<b>2</b>	2	2	---
Potassium	ppm	<b>0</b>	0	1	---

## 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		<b>23</b>	13	10	---
Iron	ppm	<b>68</b>	62	60	---
Copper	ppm	<b>9</b>	7	7	---
Lead	ppm	<b>0</b>	0	0	---
Tin	ppm	<b>&lt;1</b>	0	<1	---
Aluminum	ppm	<b>4</b>	3	4	---
Chromium	ppm	<b>&lt;1</b>	<1	<1	---
Molybdenum	ppm	<b>0</b>	<1	<1	---
Nickel	ppm	<b>0</b>	<1	1	---
Titanium	ppm	<b>0</b>	0	0	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>3</b>	3	3	---
Vanadium	ppm	<b>0</b>	0	0	---

## ADDITIVES

Calcium	ppm	<b>3</b>	19	11	---
Magnesium	ppm	<b>&lt;1</b>	18	12	---
Zinc	ppm	<b>0</b>	6	4	---
Phosphorus	ppm	<b>1393</b>	1269	1403	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>327</b>	309	333	---

**Depot:** VP794951  
**Unique No:** 11023544  
**Signed:** Don Baldrige  
**Report Date:** 15 May 2024

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## GRAPHS

