

# OIL ANALYSIS REPORT



## JEFF SALISBURY CHAPTER 3 VOLVO PENTA 3940023225 - STARBOARD IPS

**Sample No:** VPA036180  
**Oil Type:** VOLVO PENTA GL-5 SAE 75W90

### SAMPLE INFORMATION

Sample Number	<b>VPA036180</b>	VPA025173	VPA034749	---
Sample Date	<b>29 Nov 2023</b>	01 Sep 2021	04 Sep 2020	---
Machine Hours	<b>412</b>	331	267	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Not Changd</b>	Changed	Not Changd	---
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	---

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### OIL CONDITION

Visc @ 40°C	cSt	<b>104</b>	101	101.0	---
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### CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	---
Silicon	ppm	<b>8</b>	15	24	---
Sodium	ppm	<b>4</b>	7	6	---
Potassium	ppm	<b>0</b>	2	<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 fluid. The condition of the fluid is acceptable for the time in service.

### WEAR METALS

PQ		<b>19</b>	36	29	---
Iron	ppm	<b>38</b>	165	113	---
Copper	ppm	<b>3</b>	18	10	---
Lead	ppm	<b>0</b>	2	0	---
Tin	ppm	<b>0</b>	0	0	---
Aluminum	ppm	<b>0</b>	1	2	---
Chromium	ppm	<b>&lt;1</b>	2	2	---
Molybdenum	ppm	<b>0</b>	<1	0	---
Nickel	ppm	<b>0</b>	2	2	---
Titanium	ppm	<b>0</b>	0	0	---
Silver	ppm	<b>0</b>	8	0	---
Manganese	ppm	<b>&lt;1</b>	5	3	---
Vanadium	ppm	<b>0</b>	0	0	---

### ADDITIVES

Calcium	ppm	<b>5</b>	12	10	---
Magnesium	ppm	<b>5</b>	102	106	---
Zinc	ppm	<b>4</b>	19	15	---
Phosphorus	ppm	<b>1411</b>	1400	1385	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>332</b>	319	290	---

**Depot:** VP288530  
**Unique No:** 10776548  
**Signed:** Don Baldrige  
**Report Date:** 08 Dec 2023

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**VOLVO  
PENTA**

## GRAPHS

