

# OIL ANALYSIS REPORT



**MATTHEW HENRICHS PASCAL VOLVO PENTA 3194011748 - STARBOARD IPS**

**Sample No:** VPA036299  
**Oil Type:** GEAR OIL SAE 75W90

## SAMPLE INFORMATION

Sample Number	<b>VPA036299</b>	VPA045553	VPA037028	---
Sample Date	<b>05 Mar 2024</b>	06 Mar 2023	26 Jan 2022	---
Machine Hours	<b>787</b>	718	0	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>N/A</b>	Not Changd	Changed	---
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	---

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## OIL CONDITION

Visc @ 40°C	cSt	<b>109</b>	106	105	---
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## CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	---
Silicon	ppm	<b>7</b>	10	7	---
Sodium	ppm	<b>2</b>	1	4	---
Potassium	ppm	<b>&lt;1</b>	0	0	---

## 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>13</b>	15	18	---
Iron	ppm	<b>39</b>	36	29	---
Copper	ppm	<b>4</b>	8	7	---
Lead	ppm	<b>&lt;1</b>	0	<1	---
Tin	ppm	<b>&lt;1</b>	0	0	---
Aluminum	ppm	<b>2</b>	4	1	---
Chromium	ppm	<b>&lt;1</b>	<1	<1	---
Molybdenum	ppm	<b>&lt;1</b>	0	<1	---
Nickel	ppm	<b>&lt;1</b>	0	<1	---
Titanium	ppm	<b>&lt;1</b>	0	0	---
Silver	ppm	<b>0</b>	0	2	---
Manganese	ppm	<b>&lt;1</b>	<1	1	---
Vanadium	ppm	<b>0</b>	0	0	---

## ADDITIVES

Calcium	ppm	<b>5</b>	3	14	---
Magnesium	ppm	<b>4</b>	39	864	---
Zinc	ppm	<b>2</b>	4	5	---
Phosphorus	ppm	<b>1251</b>	1272	1513	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>298</b>	287	500	---

**Depot:** VP794951  
**Unique No:** 10923475  
**Signed:** Don Baldrige  
**Report Date:** 13 Mar 2024

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## GRAPHS

