

# OIL ANALYSIS REPORT



**BRAD LARKIN 1610087 VOLVO PENTA 3194001727 - STARBOARD IPS**

**Sample No:** VPA048335  
**Oil Type:** GEAR OIL SAE 75W90

## SAMPLE INFORMATION

Sample Number	<b>VPA048335</b>	VPA046252	VPA034487	---
Sample Date	<b>18 Apr 2024</b>	03 Apr 2023	11 Jan 2021	---
Machine Hours	<b>1652</b>	1489	800	---
Oil Hours	<b>163</b>	0	0	---
Oil Changed	<b>Changed</b>	Changed	Changed	---
Sample Status	<b>NORMAL</b>	ATTENTION	NORMAL	---

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## OIL CONDITION

Visc @ 40°C	cSt	<b>94.7</b>	106	104	---
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## CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	---
Silicon	ppm	<b>4</b>	10	18	---
Sodium	ppm	<b>2</b>	2	11	---
Potassium	ppm	<b>0</b>	2	1	---

## Diagnosis

No corrective action is recommended at this time. 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>19</b>	17	28	---
Iron	ppm	<b>29</b>	84	80	---
Copper	ppm	<b>2</b>	5	8	---
Lead	ppm	<b>0</b>	0	5	---
Tin	ppm	<b>0</b>	0	0	---
Aluminum	ppm	<b>0</b>	0	6	---
Chromium	ppm	<b>0</b>	1	<1	---
Molybdenum	ppm	<b>&lt;1</b>	<1	0	---
Nickel	ppm	<b>0</b>	<1	1	---
Titanium	ppm	<b>0</b>	0	0	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>&lt;1</b>	2	1	---
Vanadium	ppm	<b>0</b>	0	0	---

## ADDITIVES

Calcium	ppm	<b>2</b>	11	9	---
Magnesium	ppm	<b>0</b>	18	2	---
Zinc	ppm	<b>0</b>	8	26	---
Phosphorus	ppm	<b>1326</b>	1305	1298	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>535</b>	316	270	---

**Depot:** VP99031103  
**Unique No:** 11002867  
**Signed:** Sean Felton  
**Report Date:** 30 Apr 2024

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## GRAPHS

