

# OIL ANALYSIS REPORT



**5043 3750/50-43 VOLVO PENTA 3200000294 - PORT IPS**

**Sample No:** VPA058364  
**Oil Type:** VOLVO PENTA GL-5 SAE 75W90

## SAMPLE INFORMATION

Sample Number	<b>VPA058364</b>	VPA040554	VPA028802	---
Sample Date	<b>31 May 2024</b>	31 Jan 2022	03 Mar 2021	---
Machine Hours	<b>1206</b>	715	386	---
Oil Hours	<b>0</b>	150	0	---
Oil Changed	<b>Changed</b>	Changed	Not Changd	---
Sample Status	<b>SEVERE</b>	ATTENTION	NORMAL	---

**GRAND BANKS**  
 450 SW SALEM RD  
 STUART, FL  
 US 34994  
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## OIL CONDITION

Visc @ 40°C	cSt	<b>106</b>	101.7	97.47	---
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## CONTAMINATION

Water	%	<b>▲ 1.35</b>	● 0.281	NEG	---
Silicon	ppm	<b>5</b>	2	2	---
Sodium	ppm	<b>● 117</b>	0	4	---
Potassium	ppm	<b>8</b>	<1	15	---

## WEAR METALS

PQ		<b>25</b>	27	21	---
Iron	ppm	<b>▲ 480</b>	153	109	---
Copper	ppm	<b>▲ 76</b>	46	55	---
Lead	ppm	<b>&lt;1</b>	<1	0	---
Tin	ppm	<b>1</b>	<1	0	---
Aluminum	ppm	<b>▲ 23</b>	8	8	---
Chromium	ppm	<b>1</b>	<1	<1	---
Molybdenum	ppm	<b>&lt;1</b>	<1	<1	---
Nickel	ppm	<b>▲ 5</b>	3	3	---
Titanium	ppm	<b>0</b>	<1	<1	---
Silver	ppm	<b>0</b>	<1	0	---
Manganese	ppm	<b>6</b>	2	3	---
Vanadium	ppm	<b>0</b>	0	0	---

## ADDITIVES

Calcium	ppm	<b>30</b>	0	5	---
Magnesium	ppm	<b>22</b>	32	154	---
Zinc	ppm	<b>60</b>	0	7	---
Phosphorus	ppm	<b>1426</b>	1470	1481	---
Barium	ppm	<b>&lt;1</b>	0	0	---
Boron	ppm	<b>302</b>	414	314	---

## Diagnosis

We advise that you check for the source of water entry. Check seals and/or filters for points of contaminant entry. Oil and filter change at the time of sampling has been noted. We advise that you follow the water drain-off procedure for this component. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Aluminum, copper, iron and nickel ppm levels are abnormal. There is a high concentration of water present in the oil. Abnormal water content and sodium(Na) level indicate possible sea water contamination. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

**Depot:** VP531377  
**Unique No:** 11069274  
**Signed:** Angela Borella  
**Report Date:** 11 Jun 2024

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# VOLVO PENTA

## GRAPHS

