

# OIL ANALYSIS REPORT

# VOLVO PENTA

**IAN PORTER SAM VOLVO PENTA 3194008292 - CENTER RIGHT IPS**

**Sample No:** VPA059222

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

## SAMPLE INFORMATION

Sample Number	VPA059222	VPA048327	---	---
Sample Date	09 Jan 2024	23 Mar 2022	---	---
Machine Hours	1048	869	---	---
Oil Hours	192	0	---	---
Oil Changed	Changed	N/A	---	---
Sample Status	ABNORMAL	NORMAL	---	---

**Endor Marine LLC - Coastal Marine - 152124**  
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## OIL CONDITION

Visc @ 40°C	cSt	█ 108	█ 111	---	---
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## CONTAMINATION

Water	%	▲ 0.351	NEG	---	---
Silicon	ppm	█ 24	21	---	---
Sodium	ppm	█ 25	<1	---	---
Potassium	ppm	█ 3	0	---	---

## WEAR METALS

PQ		█ 31	█ 37	---	---
Iron	ppm	▲ 325	█ 15	---	---
Copper	ppm	█ 18	<1	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	9	4	---	---
Chromium	ppm	█ 2	█ <1	---	---
Molybdenum	ppm	█ 2	2	---	---
Nickel	ppm	█ 2	█ 0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	█ 6	<1	---	---
Vanadium	ppm	0	0	---	---

## ADDITIVES

Calcium	ppm	█ 14	6	---	---
Magnesium	ppm	█ 8	<1	---	---
Zinc	ppm	█ 14	0	---	---
Phosphorus	ppm	█ 1280	1396	---	---
Barium	ppm	█ 0	0	---	---
Boron	ppm	█ 257	307	---	---

## Diagnosis

We advise that you check for the source of water entry. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. The iron level is abnormal. All other component wear rates are normal. There is a moderate concentration of water present in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** VP794951  
**Unique No:** 10836557  
**Signed:** Sean Felton  
**Report Date:** 22 Jan 2024

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PENTA**

## GRAPHS

