

# OIL ANALYSIS REPORT

# VOLVO PENTA

**HORAN GREG ELLIS VOLVO PENTA 3194011149 - STARBOARD IPS**

**Sample No:** VPA059511

**Oil Type:** VOLVO PENTA GL-5 SAE 75W90

## SAMPLE INFORMATION

Sample Number	VPA059511	---	---	---
Sample Date	09 Nov 2023	---	---	---
Machine Hours	866	---	---	---
Oil Hours	120	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

## OIL CONDITION

Visc @ 40°C	cSt	■ 111	---	---	---
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## CONTAMINATION

Water	%	● 7.85	---	---	---
Silicon	ppm	▲ 19	---	---	---
Sodium	ppm	■ 217	---	---	---
Potassium	ppm	■ 10	---	---	---

## WEAR METALS

PQ		■ 25	---	---	---
Iron	ppm	▲ 344	---	---	---
Copper	ppm	■ 33	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	■ 10	---	---	---
Chromium	ppm	■ 1	---	---	---
Molybdenum	ppm	■ <1	---	---	---
Nickel	ppm	■ 4	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 5	---	---	---
Vanadium	ppm	0	---	---	---

## ADDITIVES

Calcium	ppm	■ 34	---	---	---
Magnesium	ppm	■ 30	---	---	---
Zinc	ppm	■ 35	---	---	---
Phosphorus	ppm	■ 1364	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 240	---	---	---

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### Diagnosis

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. Gear wear is indicated. There is a high concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

**Depot:** VP648685

**Unique No:** 10740946

**Signed:** Doug Bogart

**Report Date:** 29 Nov 2023

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**VOLVO  
PENTA**

## GRAPHS

