

# OIL ANALYSIS REPORT

# VOLVO PENTA

## VOLVO PENTA 3194011270 - PORT IPS

Sample No: VPA060363

Oil Type: GEAR OIL SAE 75W90

### SAMPLE INFORMATION

Sample Number	VPA060363	---	---	---
Sample Date	14 Mar 2024	---	---	---
Machine Hours	555	---	---	---
Oil Hours	120	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	SEVERE	---	---	---

### OIL CONDITION

Visc @ 40°C	cSt	█ 107	---	---	---
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### CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	16	---	---	---
Sodium	ppm	█ 43	---	---	---
Potassium	ppm	█ <1	---	---	---

### WEAR METALS

PQ		█ 27	---	---	---
Iron	ppm	▲ 641	---	---	---
Copper	ppm	█ 64	---	---	---
Lead	ppm	3	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	█ 15	---	---	---
Chromium	ppm	█ 4	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 6	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 8	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	█ 13	---	---	---
Magnesium	ppm	█ 9	---	---	---
Zinc	ppm	█ 110	---	---	---
Phosphorus	ppm	█ 1446	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 185	---	---	---

### SMART DIESEL SERVICE

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### Diagnosis

We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Gear wear is indicated. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: VPSMAPLA

Unique No: 10940046

Signed: Jonathan Hester

Report Date: 26 Mar 2024

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**VOLVO  
PENTA**

## GRAPHS

