

# OIL ANALYSIS REPORT

# VOLVO PENTA

## VOLVO PENTA 3940024061 - PORT IPS

Sample No: VPA059248

Oil Type: VOLVO PENTA GL-5 SAE 75W90

### SAMPLE INFORMATION

Sample Number	VPA059248	VPA025187	---	---
Sample Date	16 Nov 2023	01 Apr 2021	---	---
Machine Hours	671	461	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Changd	Not Changd	---	---
Sample Status	ABNORMAL	ATTENTION	---	---

### OIL CONDITION

Visc @ 40°C	cSt	█ 104.7	█ 107	---	---
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### CONTAMINATION

Water	%	▲ 0.389	---	---	---
Silicon	ppm	█ 18	█ 30	---	---
Sodium	ppm	█ 20	█ 36	---	---
Potassium	ppm	█ 0	█ 0	---	---

### WEAR METALS

PQ		█ 21	█ 30	---	---
Iron	ppm	▲ 295	▲ 224	---	---
Copper	ppm	█ 26	█ 20	---	---
Lead	ppm	█ 0	█ 2	---	---
Tin	ppm	<1	0	---	---
Aluminum	ppm	█ 2	█ 2	---	---
Chromium	ppm	█ 2	█ 2	---	---
Molybdenum	ppm	█ 0	█ 0	---	---
Nickel	ppm	█ 2	█ 3	---	---
Titanium	ppm	█ 0	<1	---	---
Silver	ppm	<1	<1	---	---
Manganese	ppm	█ 4	█ 3	---	---
Vanadium	ppm	█ 0	█ 0	---	---

### ADDITIVES

Calcium	ppm	█ 9	█ 8	---	---
Magnesium	ppm	█ 10	█ 40	---	---
Zinc	ppm	█ 14	█ 16	---	---
Phosphorus	ppm	█ 1410	█ 1313	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 252	█ 292	---	---

### SMART DIESEL SERVICE

102 NW 133RD AVE, UNIT 103  
PLANTATION, FL  
US 33325  
Contact: ANDRES GARMENDIA  
smartdieselservice@gmail.com  
T: (954)258-8100  
F:

### 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. Resample at the next service interval to monitor. Gear wear is indicated. There is a moderate concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot: VPSMAPLA  
Unique No: 10750353  
Signed: Doug Bogart  
Report Date: 17 Nov 2023

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**VOLVO  
PENTA**

## GRAPHS

