

# OIL ANALYSIS REPORT

# VOLVO PENTA

## DON ANDERSON VOLVO PENTA 3940013912 - PORT IPS

**Sample No:** VPA059271  
**Oil Type:** GEAR OIL SAE 75W90

### SAMPLE INFORMATION

Sample Number	VPA059271	VPA048251	---	---
Sample Date	19 Mar 2024	22 Mar 2022	---	---
Machine Hours	1382	1317	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ABNORMAL	NORMAL	---	---

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### OIL CONDITION

Visc @ 40°C	cSt	█ 111	█ 107	---	---
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### CONTAMINATION

Water	%	▲ 0.843	NEG	---	---
Silicon	ppm	█ 22	14	---	---
Sodium	ppm	█ 65	█ 26	---	---
Potassium	ppm	█ 4	█ 0	---	---

### WEAR METALS

PQ		█ 22	█ 24	---	---
Iron	ppm	▲ 229	█ 173	---	---
Copper	ppm	█ 13	10	---	---
Lead	ppm	<1	0	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	4	3	---	---
Chromium	ppm	█ 2	█ 1	---	---
Molybdenum	ppm	█ 2	█ <1	---	---
Nickel	ppm	█ 3	█ 1	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	<1	8	---	---
Manganese	ppm	█ 4	█ 3	---	---
Vanadium	ppm	<1	0	---	---

### ADDITIVES

Calcium	ppm	█ 26	█ 5	---	---
Magnesium	ppm	█ 12	█ 6	---	---
Zinc	ppm	█ 108	█ 66	---	---
Phosphorus	ppm	█ 1337	█ 1427	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 305	█ 289	---	---

### Diagnosis

We advise that you check for the source of water entry. Oil and filter change at the time of sampling has been noted. 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 condition of the oil is acceptable for the time in service.

**Depot:** VP794951  
**Unique No:** 10951805  
**Signed:** Jonathan Hester  
**Report Date:** 02 Apr 2024

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## GRAPHS

