

# OIL ANALYSIS REPORT

# VOLVO PENTA

## ZF NOT GIVEN VPA051729 - INBOARD GEARBOX

**Sample No:** VPA051729

**Oil Type:** SHELL ROTELLA T 40

### SAMPLE INFORMATION

Sample Number	VPA051729	---	---	---
Sample Date	14 Sep 2023	---	---	---
Machine Hours	300	---	---	---
Oil Hours	300	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

### OIL CONDITION

Visc @ 40°C	cSt	█ 126	---	---	---
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### CONTAMINATION

Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ <1	---	---	---

### WEAR METALS

PQ		█ 26	---	---	---
Iron	ppm	█ 19	---	---	---
Copper	ppm	█ 24	---	---	---
Lead	ppm	█ 77	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 104	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	█ 0	---	---	---

### ADDITIVES

Calcium	ppm	█ 2530	---	---	---
Magnesium	ppm	█ 114	---	---	---
Zinc	ppm	█ 1166	---	---	---
Phosphorus	ppm	█ 1010	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 3	---	---	---

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### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** VP551029  
**Unique No:** 10648969  
**Signed:** Angela Borella  
**Report Date:** 19 Sep 2023

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## GRAPHS

