

OIL ANALYSIS REPORT

**VOLVO
PENTA**

ZF 2034839 - INBOARD GEARBOX

Sample No: VPA059079

Oil Type: NOT GIVEN

SAMPLE INFORMATION

Sample Number	VPA059079	---	---	---
Sample Date	27 Sep 2023	---	---	---
Machine Hours	590	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	■ 89.7	---	---	---
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CONTAMINATION

Silicon	ppm	■ 13	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ 2	---	---	---

WEAR METALS

PQ		■ 18	---	---	---
Iron	ppm	■ 11	---	---	---
Copper	ppm	■ 58	---	---	---
Lead	ppm	■ 33	---	---	---
Tin	ppm	■ 1	---	---	---
Aluminum	ppm	■ 4	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 64	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	■ <1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	■ 0	---	---	---

ADDITIVES

Calcium	ppm	■ 4456	---	---	---
Magnesium	ppm	■ 17	---	---	---
Zinc	ppm	■ 1425	---	---	---
Phosphorus	ppm	■ 1293	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 726	---	---	---

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Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. 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: VP288530
Unique No: 10672248
Signed: Sean Felton
Report Date: 02 Oct 2023

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GRAPHS

