

OIL ANALYSIS REPORT

**VOLVO
PENTA**

ZF 20137465 - INBOARD - PORT GEARBOX

Sample No: VPA059247

Oil Type: SHELL ROTELLA T 30

SAMPLE INFORMATION

Sample Number	VPA059247	---	---	---
Sample Date	16 Nov 2023	---	---	---
Machine Hours	4763	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	■ 95.43	---	---	---
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CONTAMINATION

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

WEAR METALS

PQ		■ 3	---	---	---
Iron	ppm	■ 1	---	---	---
Copper	ppm	■ 24	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 1	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 99	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	■ 0	---	---	---

ADDITIVES

Calcium	ppm	■ 2559	---	---	---
Magnesium	ppm	■ 19	---	---	---
Zinc	ppm	■ 1117	---	---	---
Phosphorus	ppm	■ 1012	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 8	---	---	---

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

No corrective action is recommended at this time. 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: VPSMAPLA
Unique No: 10750356
Signed: Doug Bogart
Report Date: 17 Nov 2023

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GRAPHS

