

OIL ANALYSIS REPORT

**VOLVO
PENTA**

ZF 0671678 - INBOARD - PORT GEARBOX

Sample No: VPA060491

Oil Type: SAE 30W

SAMPLE INFORMATION

Sample Number	VPA060491	---	---	---
Sample Date	09 Oct 2023	---	---	---
Machine Hours	656	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	SEVERE	---	---	---

FLORIDA DETROIT DIESEL - 531006 - 1125774
1128 CHESTNUT AVE
PANAMA CITY, FL
US 32401
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F:

OIL CONDITION

Visc @ 40°C	cSt	■ 83.2	---	---	---
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CONTAMINATION

Silicon	ppm	■ 9	---	---	---
Sodium	ppm	■ 3	---	---	---
Potassium	ppm	■ 2	---	---	---

WEAR METALS

PQ		■ 33	---	---	---
Iron	ppm	■ 53	---	---	---
Copper	ppm	● 1100	---	---	---
Lead	ppm	● 156	---	---	---
Tin	ppm	▲ 14	---	---	---
Aluminum	ppm	■ 8	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 12	---	---	---
Nickel	ppm	■ 19	---	---	---
Titanium	ppm	■ 2	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 2	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	■ 277	---	---	---
Magnesium	ppm	■ 1192	---	---	---
Zinc	ppm	■ 1082	---	---	---
Phosphorus	ppm	■ 1046	---	---	---
Barium	ppm	■ 2	---	---	---
Boron	ppm	■ 53	---	---	---

Diagnosis

We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Clutch and/or bushing/bearing wear is indicated. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: VPFLOPAN
Unique No: 10688032
Signed: Jonathan Hester
Report Date: 13 Oct 2023

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GRAPHS

