

OIL ANALYSIS REPORT

**VOLVO
PENTA**

1640 ZF 20289110 - INBOARD - PORT GEARBOX

Sample No: VPA044367

Oil Type: SHELL T2 SAE 30

SAMPLE INFORMATION

Sample Number	VPA044367	---	---	---
Sample Date	14 Jul 2023	---	---	---
Machine Hours	614	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	█ 124.9	---	---	---
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CONTAMINATION

Silicon	ppm	█ 12	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 2	---	---	---

WEAR METALS

PQ		█ 20	---	---	---
Iron	ppm	█ 14	---	---	---
Copper	ppm	█ 34	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	15	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	2579	---	---	---
Magnesium	ppm	32	---	---	---
Zinc	ppm	920	---	---	---
Phosphorus	ppm	784	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	5	---	---	---

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F:

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal for OEM. 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: 10561734

Signed: Doug Bogart

Report Date: 17 Jul 2023

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GRAPHS

