

OIL ANALYSIS REPORT

VOLVO PENTA

CAPTAINS MARINA ZF GEAR 20401701 - INBOARD - PORT GEARBOX

Sample No: VPA029633
Oil Type: MOBIL 15W40

SAMPLE INFORMATION

Sample Number	VPA029633	---	---	---
Sample Date	03 Jun 2024	---	---	---
Machine Hours	100	---	---	---
Oil Hours	100	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

Johnson & Towers, Inc
2021 Briggs Road
MT.LAUREL, NJ
US 08054
Contact: BRENT BUZBY
BBUZZBY@JOHNSONTOWERS.COM
T:
F:

OIL CONDITION

Visc @ 40°C	cSt	■ 74.4	---	---	---
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CONTAMINATION

Water	%	▲ 0.220	---	---	---
Silicon	ppm	■ 5	---	---	---
Sodium	ppm	■ 4	---	---	---
Potassium	ppm	■ <1	---	---	---

WEAR METALS

PQ		■ 31	---	---	---
Iron	ppm	■ 24	---	---	---
Copper	ppm	▲ 94	---	---	---
Lead	ppm	■ 2	---	---	---
Tin	ppm	■ 3	---	---	---
Aluminium	ppm	■ 2	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 2	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	■ 81	---	---	---
Magnesium	ppm	■ 1333	---	---	---
Zinc	ppm	■ 1301	---	---	---
Phosphorus	ppm	■ 1159	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 19	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. The copper level is abnormal. All other component wear rates are normal. There is a light concentration of water present in the oil. The condition of the oil is acceptable for the time in service.

Depot: VP855105
Unique No: 11069278
Signed: Jonathan Hester
Report Date: 11 Jun 2024

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GRAPHS

