

OIL ANALYSIS REPORT

**VOLVO
PENTA**

590-27 590-27 ZF 20325731 - ZEUS - STARBOARD TRANSMISSION

Sample No: VPA059554

Oil Type: NOT GIVEN

SAMPLE INFORMATION

Sample Number	VPA059554	---	---	---
Sample Date	03 Nov 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

Outstanding Marine

PO Box 274
GALENA, MD
US 21635
Contact: Ronda Bolinger
rlwb@verizon.net

T:
F:

OIL CONDITION

Visc @ 40°C	cSt	■ 37.4	---	---	---
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CONTAMINATION

Silicon	ppm	■ 8	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ 5	---	---	---

WEAR METALS

PQ		▲ 97	---	---	---
Iron	ppm	▲ 345	---	---	---
Copper	ppm	▲ 330	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 1	---	---	---
Aluminum	ppm	■ 8	---	---	---
Chromium	ppm	■ 3	---	---	---
Molybdenum	ppm	51	---	---	---
Nickel	ppm	1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	4	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	2380	---	---	---
Magnesium	ppm	10	---	---	---
Zinc	ppm	771	---	---	---
Phosphorus	ppm	755	---	---	---
Barium	ppm	48	---	---	---
Boron	ppm	232	---	---	---

Diagnosis

No corrective action is recommended at this time. We recommend an early resample to monitor this condition. Gear wear is indicated. Clutch wear is indicated. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.

Depot: VP153685
Unique No: 10729228
Signed: Doug Bogart
Report Date: 07 Nov 2023

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GRAPHS

