

# OIL ANALYSIS REPORT

# VOLVO PENTA

## ZF 20027753 - INBOARD - STARBOARD GEARBOX

Sample No: VPA048304

Oil Type: NOT GIVEN

### SAMPLE INFORMATION

Sample Number	VPA048304	---	---	---
Sample Date	02 Aug 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

### Monmouth Marine Engines Inc

536 UNION LN

BRIELLE, NJ

US 08730-1421

Contact: Laura Clarkin

monmouthmarine@gmail.com

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F:

### OIL CONDITION

Visc @ 40°C	cSt	■ 92.8	---	---	---
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### CONTAMINATION

Silicon	ppm	■ 3	---	---	---
Sodium	ppm	■ 2	---	---	---
Potassium	ppm	■ <1	---	---	---

### 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.

### WEAR METALS

PQ		■ 22	---	---	---
Iron	ppm	■ 12	---	---	---
Copper	ppm	■ 325	---	---	---
Lead	ppm	■ 5	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 4	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 57	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	■ <1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	■ <1	---	---	---

### ADDITIVES

Calcium	ppm	■ 2308	---	---	---
Magnesium	ppm	■ 126	---	---	---
Zinc	ppm	■ 1110	---	---	---
Phosphorus	ppm	■ 961	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 11	---	---	---

Depot: VP153457

Unique No: 10586741

Signed: Doug Bogart

Report Date: 06 Aug 2023

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## GRAPHS

