

# OIL ANALYSIS REPORT

**VOLVO  
PENTA**

## NOT GIVEN VPA055544 - STERNDRIVE (S/N NO INFO ON SIF/BOTTLE) - PORT GEARBOX

Sample No: VPA055544

Oil Type: GEAR OIL SAE 75W90

### SAMPLE INFORMATION

Sample Number	VPA055544	---	---	---
Sample Date	21 Aug 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

### Monmouth Marine Engines Inc

536 UNION LN

BRIELLE, NJ

US 08730-1421

Contact: Laura Clarkin

monmouthmarine@gmail.com

T:

F:

### OIL CONDITION

Visc @ 40°C	cSt	■ 101	---	---	---
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### CONTAMINATION

Silicon	ppm	■ 4	---	---	---
Sodium	ppm	■ 16	---	---	---
Potassium	ppm	■ 1	---	---	---

### Diagnosis

The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Gear 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.

### WEAR METALS

PQ		■ 15	---	---	---
Iron	ppm	● 658	---	---	---
Copper	ppm	■ 2	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 7	---	---	---
Chromium	ppm	■ 4	---	---	---
Molybdenum	ppm	■ 1	---	---	---
Nickel	ppm	■ 9	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 8	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	■ 20	---	---	---
Magnesium	ppm	■ <1	---	---	---
Zinc	ppm	■ 67	---	---	---
Phosphorus	ppm	■ 1425	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 205	---	---	---

Depot: VP153457

Unique No: 10616270

Signed: Jonathan Hester

Report Date: 24 Aug 2023

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## GRAPHS

