

# OIL ANALYSIS REPORT

**VOLVO  
PENTA**

## ZF ZF GEARS (S/N NOT GIVEN) - PORT GEARBOX

**Sample No:** VPA053365

**Oil Type:** SAE 30W

### SAMPLE INFORMATION

Sample Number	VPA053365	---	---	---
Sample Date	10 Jul 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

### Edward's Marine and Sons

12741 Sunset Ave

OCEAN CITY, MD

US 21842

Contact: Edward Bartholme

edwardsmarine@comcast.net;canastasio@wearcheckusa.com

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### OIL CONDITION

Visc @ 40°C	cSt	■ 84.5	---	---	---
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### CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	■ 10	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ 3	---	---	---

### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. 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		■ 39	---	---	---
Iron	ppm	■ 38	---	---	---
Copper	ppm	■ 25	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 5	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 13	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	■ <1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	<1	---	---	---

### ADDITIVES

Calcium	ppm	■ 3178	---	---	---
Magnesium	ppm	■ 176	---	---	---
Zinc	ppm	■ 1022	---	---	---
Phosphorus	ppm	■ 890	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 24	---	---	---

**Depot:** VP551029

**Unique No:** 11117039

**Signed:** Don Baldrige

**Report Date:** 13 Jul 2024

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## GRAPHS

