

# OIL ANALYSIS REPORT

**VOLVO  
PENTA**

## CARRUTHERS CODY ZF ZF ZF85A2.0 (S/N NOT GIVEN) - STARBOARD GEARBOX

Sample No: VPA036433

Oil Type: NOT GIVEN

### SAMPLE INFORMATION

Sample Number	VPA036433	---	---	---
Sample Date	20 Oct 2023	---	---	---
Machine Hours	585	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

**Walstrom Marine - 767948**

501 Bay Street  
HARBOR SPRINGS, MI  
US 49740

Contact: RICK HEINY  
rheiny@walstrom.com

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F:

### OIL CONDITION

Visc @ 40°C	cSt	■ 24.0	---	---	---
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### CONTAMINATION

Silicon	ppm	■ 3	---	---	---
Sodium	ppm	■ 3	---	---	---
Potassium	ppm	■ 0	---	---	---

### 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		■ 22	---	---	---
Iron	ppm	■ 3	---	---	---
Copper	ppm	■ 2	---	---	---
Lead	ppm	■ 8	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 0	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	223	---	---	---
Magnesium	ppm	5	---	---	---
Zinc	ppm	0	---	---	---
Phosphorus	ppm	523	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	243	---	---	---

Depot: VP154879

Unique No: 10712114

Signed: Don Baldrige

Report Date: 27 Oct 2023

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## GRAPHS

