

# OIL ANALYSIS REPORT

# VOLVO PENTA

## DAVE SAMPLE ZF 32684N - INBOARD - PORT GEARBOX

Sample No: VPA045662

Oil Type: NOT GIVEN

### SAMPLE INFORMATION

Sample Number	VPA045662	---	---	---
Sample Date	11 Sep 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

#### Walstrom Marine

501 Bay Street  
HARBOR SPRINGS, MI  
US 49740  
Contact: L. HEVRON  
LHEVRON@WALSTOM.COM  
T:  
F:

### OIL CONDITION

Visc @ 40°C	cSt	■ 91.7	---	---	---
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### CONTAMINATION

Silicon	ppm	■ 3	---	---	---
Sodium	ppm	■ 11	---	---	---
Potassium	ppm	■ 0	---	---	---

### Diagnosis

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		■ 32	---	---	---
Iron	ppm	■ 51	---	---	---
Copper	ppm	■ 124	---	---	---
Lead	ppm	■ 38	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 110	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ <1	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	■ 0	---	---	---

### ADDITIVES

Calcium	ppm	■ 2418	---	---	---
Magnesium	ppm	■ 104	---	---	---
Zinc	ppm	■ 1097	---	---	---
Phosphorus	ppm	■ 973	---	---	---
Barium	ppm	■ <1	---	---	---
Boron	ppm	■ 11	---	---	---

Depot: VP154879  
Unique No: 10647674  
Signed: Doug Bogart  
Report Date: 18 Sep 2023

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## GRAPHS

