

# OIL ANALYSIS REPORT

**VOLVO  
PENTA**

## ZF 20206755 - INBOARD - STARBOARD GEARBOX

**Sample No:** VPA045485

**Oil Type:** NOT GIVEN

### SAMPLE INFORMATION

Sample Number	VPA045485	---	---	---
Sample Date	20 Jul 2023	---	---	---
Machine Hours	770	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

### OIL CONDITION

Visc @ 40°C	cSt	■ 95.8	---	---	---
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### CONTAMINATION

Silicon	ppm	■ 4	---	---	---
Sodium	ppm	■ 5	---	---	---
Potassium	ppm	■ 0	---	---	---

### WEAR METALS

PQ		■ 14	---	---	---
Iron	ppm	■ 13	---	---	---
Copper	ppm	■ 110	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 6	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 69	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 0	---	---	---
Vanadium	ppm	■ 0	---	---	---

### ADDITIVES

Calcium	ppm	■ 2175	---	---	---
Magnesium	ppm	■ 351	---	---	---
Zinc	ppm	■ 1000	---	---	---
Phosphorus	ppm	■ 853	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 333	---	---	---

### Marine International Diesels Inc.

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DAVIE, FL  
US 33314  
Contact: ASHANTI BURKE  
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### 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.

**Depot:** VP694356  
**Unique No:** 10576969  
**Signed:** Doug Bogart  
**Report Date:** 31 Jul 2023

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## GRAPHS

