

# OIL ANALYSIS REPORT

# VOLVO PENTA

## ZF 20055265 - INBOARD - STARBOARD GEARBOX

Sample No: VPA060884

Oil Type: DIESEL ENGINE OIL SAE 30

### SAMPLE INFORMATION

Sample Number	VPA060884	---	---	---
Sample Date	15 Mar 2024	---	---	---
Machine Hours	1141	---	---	---
Oil Hours	40	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

### CAROLINA MARINE DIESEL

PO BOX 24159  
HILTON HEAD, SC  
US 29925

Contact: KEVIN JACKSON  
cmdieselsc@gmail.com

T: (843)830-9202  
F: (843)681-9976

### OIL CONDITION

Visc @ 40°C	cSt	■ 90.5	---	---	---
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### CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	■ 4	---	---	---
Sodium	ppm	■ <1	---	---	---
Potassium	ppm	■ 2	---	---	---

### WEAR METALS

PQ		■ 13	---	---	---
Iron	ppm	■ 5	---	---	---
Copper	ppm	■ 56	---	---	---
Lead	ppm	■ 2	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 95	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	■ <1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 0	---	---	---
Vanadium	ppm	■ 0	---	---	---

### ADDITIVES

Calcium	ppm	■ 2171	---	---	---
Magnesium	ppm	■ 103	---	---	---
Zinc	ppm	■ 1052	---	---	---
Phosphorus	ppm	■ 995	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 20	---	---	---

### 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.

Depot: CARHILSC  
Unique No: 10935921  
Signed: Jonathan Hester  
Report Date: 21 Mar 2024

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## GRAPHS

