

# OIL ANALYSIS REPORT

# VOLVO PENTA

## SUNSET BOUND ZF 20243377 - INBOARD - STARBOARD GEARBOX

**Sample No:** VPA049766  
**Oil Type:** DIESEL ENGINE OIL SAE 30

### SAMPLE INFORMATION

Sample Number	VPA049766	---	---	---
Sample Date	20 Dec 2023	---	---	---
Machine Hours	700	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

**Marine International Diesels Inc.**  
3600 HACIENDA BLVD UNIT G  
DAVIE, FL  
US 33314  
Contact: ASHANTI BURKE  
aburke@midiflorida.com  
T: (954)761-1086  
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### OIL CONDITION

Visc @ 40°C	cSt	■ 90.0	---	---	---
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### CONTAMINATION

Water	%	■ NEG	---	---	---
Silicon	ppm	■ 5	---	---	---
Sodium	ppm	■ 8	---	---	---
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		■ 26	---	---	---
Iron	ppm	■ 62	---	---	---
Copper	ppm	■ 115	---	---	---
Lead	ppm	■ 2	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 7	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 85	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	■ 0	---	---	---

### ADDITIVES

Calcium	ppm	■ 2724	---	---	---
Magnesium	ppm	■ 65	---	---	---
Zinc	ppm	■ 1099	---	---	---
Phosphorus	ppm	■ 980	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 21	---	---	---

**Depot:** VP694356  
**Unique No:** 10806984  
**Signed:** Angela Borella  
**Report Date:** 28 Dec 2023

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## GRAPHS

