

# OIL ANALYSIS REPORT

# VOLVO PENTA

## ZF 97-11305 - INBOARD - GEARBOX

Sample No: VPA048643

Oil Type: SAE 30W

### SAMPLE INFORMATION

Sample Number	VPA048643	---	---	---
Sample Date	14 Aug 2023	---	---	---
Machine Hours	2427	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---

### SUNCOAST DIESEL MARINE

6341 PORTER ROAD, SUITE 6  
SARASOTA, FL  
US 34240  
Contact: SERVICE MANAGER  
info@suncoastdmi.com  
T: (941)342-0033  
F:

### OIL CONDITION

Visc @ 40°C	cSt	■ 74.8	---	---	---
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### CONTAMINATION

Silicon	ppm	■ 9	---	---	---
Sodium	ppm	■ 6	---	---	---
Potassium	ppm	■ <1	---	---	---

### WEAR METALS

PQ		■ 19	---	---	---
Iron	ppm	■ 47	---	---	---
Copper	ppm	● 265	---	---	---
Lead	ppm	● 262	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ <1	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 78	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	■ 2124	---	---	---
Magnesium	ppm	■ 90	---	---	---
Zinc	ppm	■ 834	---	---	---
Phosphorus	ppm	■ 739	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 83	---	---	---

### Diagnosis

We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Please note that this is a corrected copy for oil type. Clutch wear is indicated. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: VP705283  
Unique No: 10604464  
Signed: Angela Borella  
Report Date: 16 Aug 2023

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## GRAPHS

