

# OIL ANALYSIS REPORT

# VOLVO PENTA

## ZF 97-11443 - INBOARD - GEARBOX

Sample No: VPA048640

Oil Type: SAE 30W

### SAMPLE INFORMATION

Sample Number	VPA048640	---	---	---
Sample Date	11 Aug 2023	---	---	---
Machine Hours	2398	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---

### OIL CONDITION

Visc @ 40°C	cSt	71.7	---	---	---
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### CONTAMINATION

Silicon	ppm	10	---	---	---
Sodium	ppm	5	---	---	---
Potassium	ppm	0	---	---	---

### WEAR METALS

PQ		15	---	---	---
Iron	ppm	23	---	---	---
Copper	ppm	282	---	---	---
Lead	ppm	265	---	---	---
Tin	ppm	1	---	---	---
Aluminum	ppm	<1	---	---	---
Chromium	ppm	0	---	---	---
Molybdenum	ppm	76	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	2115	---	---	---
Magnesium	ppm	88	---	---	---
Zinc	ppm	800	---	---	---
Phosphorus	ppm	732	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	100	---	---	---

### SUNCOAST DIESEL MARINE

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### 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: 10604463  
Signed: Angela Borella  
Report Date: 16 Aug 2023

# OIL ANALYSIS REPORT



## GRAPHS

