

# OIL ANALYSIS REPORT

# VOLVO PENTA

## VOLVO PENTA 20354003 - INBOARD - STARBOARD GEARBOX

**Sample No:** VPA048652  
**Oil Type:** VOLVO 40WT

### SAMPLE INFORMATION

Sample Number	VPA048652	---	---	---
Sample Date	10 Oct 2023	---	---	---
Machine Hours	498	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ATTENTION	---	---	---

### OIL CONDITION

Visc @ 40°C	cSt	77.33	---	---	---
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### CONTAMINATION

Silicon	ppm	▲ 39	---	---	---
Sodium	ppm	■ 3	---	---	---
Potassium	ppm	■ 2	---	---	---

### WEAR METALS

PQ		■ 34	---	---	---
Iron	ppm	■ 133	---	---	---
Copper	ppm	■ 111	---	---	---
Lead	ppm	■ 22	---	---	---
Tin	ppm	■ 6	---	---	---
Aluminum	ppm	■ 8	---	---	---
Chromium	ppm	■ 1	---	---	---
Molybdenum	ppm	1	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	2	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	2913	---	---	---
Magnesium	ppm	135	---	---	---
Zinc	ppm	962	---	---	---
Phosphorus	ppm	852	---	---	---
Barium	ppm	4	---	---	---
Boron	ppm	23	---	---	---

**SUNCOAST DIESEL MARINE**  
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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. Elemental level of silicon (Si) above normal indicating ingress of seal material. The condition of the oil is acceptable for the time in service.

**Depot:** VP705283  
**Unique No:** 10688200  
**Signed:** Doug Bogart  
**Report Date:** 11 Oct 2023

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## GRAPHS

