

# OIL ANALYSIS REPORT

# VOLVO PENTA

## 40341 HURTH 20055127 - INBOARD - STARBOARD GEARBOX

**Sample No:** VPA051253  
**Oil Type:** DIESEL ENGINE OIL SAE 30

### SAMPLE INFORMATION

Sample Number	VPA051253	---	---	---
Sample Date	12 Jun 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---

### TRUE NORTH MARINE

1206 MARINA BAY DR  
CLEAR LAKE SHORES, TX  
US 77565

Contact: Eric Basdekis  
e.basdekis@truenorth-marine.com

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### OIL CONDITION

Visc @ 40°C	cSt	■ 88.2	---	---	---
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### CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	■ 17	---	---	---
Sodium	ppm	■ 7	---	---	---
Potassium	ppm	■ 8	---	---	---

### WEAR METALS

PQ		■ 28	---	---	---
Iron	ppm	■ 49	---	---	---
Copper	ppm	▲ 986	---	---	---
Lead	ppm	■ 28	---	---	---
Tin	ppm	■ 3	---	---	---
Aluminum	ppm	▲ 92	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 96	---	---	---
Nickel	ppm	■ 2	---	---	---
Titanium	ppm	■ <1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 2	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	■ 3489	---	---	---
Magnesium	ppm	■ 14	---	---	---
Zinc	ppm	■ 1095	---	---	---
Phosphorus	ppm	■ 1004	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 7	---	---	---

### 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. Aluminum and copper ppm levels are severe. Bearing and/or bushing 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:** VP975860  
**Unique No:** 11076479  
**Signed:** Angela Borella  
**Report Date:** 14 Jun 2024

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## GRAPHS

