

# OIL ANALYSIS REPORT

# VOLVO PENTA

**40208 VOLVO D6-340D-B 2006014109 - STARBOARD IPS**

**Sample No:** VPA036594

**Oil Type:** {unknown}

## SAMPLE INFORMATION

Sample Number	VPA036594	---	---	---
Sample Date	31 May 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
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	75.1	---	---	---
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## CONTAMINATION

Water	%	▲ 1.37	---	---	---
Silicon	ppm	▲ 42	---	---	---
Sodium	ppm	■ 3	---	---	---
Potassium	ppm	■ 4	---	---	---

## WEAR METALS

PQ		■ 34	---	---	---
Iron	ppm	■ 6	---	---	---
Copper	ppm	■ 0	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 1	---	---	---
Aluminium	ppm	■ 2	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---

## ADDITIVES

Calcium	ppm	9	---	---	---
Magnesium	ppm	3	---	---	---
Zinc	ppm	6	---	---	---
Phosphorus	ppm	2480	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	5	---	---	---

## Diagnosis

We advise that you check for the source of water entry. Recommend drain oil if not already done and flush before refilling with oil. We recommend an early resample to monitor this condition. Please note that this is a corrected copy for diagnostic comment updates. All component wear rates are normal. Appearance is unacceptable. Elemental level of silicon (Si) above normal indicating ingress of seal material. There is a high concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

**Depot:** VP975860  
**Unique No:** 11062639  
**Signed:** Doug Bogart  
**Report Date:** 11 Jun 2024

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## GRAPHS

