

# OIL ANALYSIS REPORT

**VOLVO  
PENTA**

## VOLVO PENTA 3940023908 - STARBOARD IPS

Sample No: VPA045988

Oil Type: GEAR OIL SAE 75W90

### SAMPLE INFORMATION

Sample Number	VPA045988	---	---	---
Sample Date	08 Sep 2023	---	---	---
Machine Hours	572	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

### OIL CONDITION

Visc @ 40°C	cSt	■ 104.1	---	---	---
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### CONTAMINATION

Water	%	▲ 1.82	---	---	---
Silicon	ppm	■ 16	---	---	---
Sodium	ppm	■ 84	---	---	---
Potassium	ppm	■ 6	---	---	---

### WEAR METALS

PQ		■ 25	---	---	---
Iron	ppm	▲ 280	---	---	---
Copper	ppm	■ 26	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	<1	---	---	---
Chromium	ppm	■ 2	---	---	---
Molybdenum	ppm	■ <1	---	---	---
Nickel	ppm	■ 2	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 5	---	---	---
Vanadium	ppm	<1	---	---	---

### ADDITIVES

Calcium	ppm	■ 4	---	---	---
Magnesium	ppm	■ 19	---	---	---
Zinc	ppm	■ 8	---	---	---
Phosphorus	ppm	■ 1446	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 322	---	---	---

### SUNCOAST DIESEL MARINE

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### Diagnosis

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. Please note that this is a corrected copy for laboratory data and diagnostic comment updates concerning water. Gear wear is indicated. There is a high concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot: VP705283  
Unique No: 10644434  
Signed: Doug Bogart  
Report Date: 14 Sep 2023

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## GRAPHS

