

OIL ANALYSIS REPORT

VOLVO PENTA

VOLVO PENTA 3940019649 - STARBOARD IPS

Sample No: VPA056997

Oil Type: NOT GIVEN

SAMPLE INFORMATION

Sample Number	VPA056997	---	---	---
Sample Date	28 Nov 2023	---	---	---
Machine Hours	679	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	■ 105	---	---	---
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CONTAMINATION

Water	%	▲ 0.485	---	---	---
Silicon	ppm	■ 20	---	---	---
Sodium	ppm	■ 61	---	---	---
Potassium	ppm	■ <1	---	---	---

WEAR METALS

PQ		■ 12	---	---	---
Iron	ppm	▲ 294	---	---	---
Copper	ppm	■ 33	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	■ 3	---	---	---
Chromium	ppm	■ 2	---	---	---
Molybdenum	ppm	■ 0	---	---	---
Nickel	ppm	■ 2	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	■ 4	---	---	---
Vanadium	ppm	■ 0	---	---	---

ADDITIVES

Calcium	ppm	■ 13	---	---	---
Magnesium	ppm	■ 13	---	---	---
Zinc	ppm	■ 49	---	---	---
Phosphorus	ppm	■ 1430	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 237	---	---	---

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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. The iron level is abnormal. All other component wear rates are normal. There is a moderate concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot: VPJOHDEE
Unique No: 10766681
Signed: Angela Borella
Report Date: 04 Dec 2023

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GRAPHS

