

OIL ANALYSIS REPORT

**VOLVO
PENTA**

FOHRMAN 11384 ZUES/MERCURY OM971775 - ZUES POD - PORT GEARBOX

Sample No: VPA058519

Oil Type: MERCURY 90W

SAMPLE INFORMATION

Sample Number	VPA058519	---	---	---
Sample Date	01 Feb 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	▲ 437	---	---	---
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CONTAMINATION

Water	%	● 24.4	---	---	---
Silicon	ppm	■ 5	---	---	---
Sodium	ppm	■ 9	---	---	---
Potassium	ppm	■ 1	---	---	---

WEAR METALS

PQ		▲ 194	---	---	---
Iron	ppm	● 642	---	---	---
Copper	ppm	■ 40	---	---	---
Lead	ppm	■ 1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 9	---	---	---
Chromium	ppm	■ 9	---	---	---
Molybdenum	ppm	25	---	---	---
Nickel	ppm	■ 6	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	10	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	154	---	---	---
Magnesium	ppm	3	---	---	---
Zinc	ppm	45	---	---	---
Phosphorus	ppm	352	---	---	---
Barium	ppm	11	---	---	---
Boron	ppm	23	---	---	---

BAY MARINE

3 E MADISON ST

WAUKEGAN, IL

US 60085

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Diagnosis

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Gear wear is indicated. There is a high concentration of water present in the oil. The oil viscosity is higher than normal. The oil is no longer serviceable due to the presence of contaminants.

Depot: VP1174336

Unique No: 10859942

Signed: Jonathan Hester

Report Date: 05 Feb 2024

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GRAPHS

