

OIL ANALYSIS REPORT

**VOLVO
PENTA**

WEIR MERCURY OM976226 - ZEUS - STARBOARD GEARBOX

Sample No: VPA059691
Oil Type: MERCURY 90 HD

SAMPLE INFORMATION

Sample Number	VPA059691	---	---	---
Sample Date	09 Jan 2024	---	---	---
Machine Hours	237	---	---	---
Oil Hours	237	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	ABNORMAL	---	---	---

Walstrom Marine - 767948

501 Bay Street
HARBOR SPRINGS, MI
US 49740
Contact: RICK HEINY
rheiny@walstrom.com

T:
F:

OIL CONDITION

Visc @ 40°C	cSt	■ 165	---	---	---
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CONTAMINATION

Water	%	▲ 0.282	---	---	---
Silicon	ppm	■ 3	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ <1	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Gear wear is indicated. There is a light concentration of water present in the oil. The condition of the oil is acceptable for the time in service.

WEAR METALS

PQ		■ 28	---	---	---
Iron	ppm	▲ 216	---	---	---
Copper	ppm	■ 17	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 5	---	---	---
Chromium	ppm	■ 2	---	---	---
Molybdenum	ppm	80	---	---	---
Nickel	ppm	■ 1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	4	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	56	---	---	---
Magnesium	ppm	4	---	---	---
Zinc	ppm	22	---	---	---
Phosphorus	ppm	415	---	---	---
Barium	ppm	2	---	---	---
Boron	ppm	1	---	---	---

Depot: VP154879
Unique No: 10832887
Signed: Jonathan Hester
Report Date: 18 Jan 2024

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GRAPHS

