

# OIL ANALYSIS REPORT

# VOLVO PENTA

## WEIR MERCURY OM976221 - ZEUS - PORT GEARBOX

Sample No: VPA059688

Oil Type: MERCURY 90 HD

### SAMPLE INFORMATION

Sample Number	VPA059688	---	---	---
Sample Date	09 Jan 2024	---	---	---
Machine Hours	236	---	---	---
Oil Hours	236	---	---	---
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	■ 166	---	---	---
-------------	-----	-------	-----	-----	-----

### CONTAMINATION

Water	%	▲ 0.202	---	---	---
Silicon	ppm	■ 2	---	---	---
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		■ 46	---	---	---
Iron	ppm	▲ 200	---	---	---
Copper	ppm	■ 21	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 5	---	---	---
Chromium	ppm	■ 2	---	---	---
Molybdenum	ppm	79	---	---	---
Nickel	ppm	■ 1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	4	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	64	---	---	---
Magnesium	ppm	4	---	---	---
Zinc	ppm	22	---	---	---
Phosphorus	ppm	412	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	0	---	---	---

Depot: VP154879  
Unique No: 10832888  
Signed: Jonathan Hester  
Report Date: 18 Jan 2024

# OIL ANALYSIS REPORT

# VOLVO PENTA

## GRAPHS

