

# OIL ANALYSIS REPORT

**VOLVO  
PENTA**

**GARY DWIGHT H14843 ZF 20039975 - PORT DIESEL ENGINE**

**Sample No:** VPA059447

**Oil Type:** NOT GIVEN

## SAMPLE INFORMATION

Sample Number	VPA059447	---	---	---
Sample Date	03 Oct 2023	---	---	---
Machine Hours	801	---	---	---
Oil Hours	49	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

**Walstrom Marine - 767948**

501 Bay Street  
HARBOR SPRINGS, MI  
US 49740

Contact: MARK LEWIS  
mlewis@walstrom.com

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F:

## OIL CONDITION

Visc @ 100°C	cSt	█ 10.9	---	---	---
Base Number (BN)	mg KOH/g	█ 8.5	---	---	---
Oxidation (PA)	%	25	---	---	---

## CONTAMINATION

Soot %	%	█ 0	---	---	---
Nitration (PA)	%	27	---	---	---
Sulfation (PA)	%	35	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	█ 0.2	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ 0	---	---	---

## Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

## WEAR METALS

Iron	ppm	█ 13	---	---	---
Copper	ppm	█ 45	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 115	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---

## ADDITIVES

Calcium	ppm	█ 2765	---	---	---
Magnesium	ppm	█ 45	---	---	---
Zinc	ppm	█ 1287	---	---	---
Phosphorus	ppm	█ 1122	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 3	---	---	---

**Depot:** VP154879  
**Unique No:** 10683260  
**Signed:** Don Baldrige  
**Report Date:** 10 Oct 2023

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## GRAPHS

