

# OIL ANALYSIS REPORT

# VOLVO PENTA

## H14357 VOLVO PENTA 7008480204 - PORT DIESEL ENGINE

Sample No: VPA045664

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

### SAMPLE INFORMATION

Sample Number	VPA045664	---	---	---
Sample Date	29 Aug 2023	---	---	---
Machine Hours	614	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

#### Walstrom Marine

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	█ 14.6	---	---	---
Base Number (BN)	mg KOH/g	█ 8.4	---	---	---
Oxidation (PA)	%	61	---	---	---

### CONTAMINATION

Soot %	%	█ 1	---	---	---
Nitration (PA)	%	63	---	---	---
Sulfation (PA)	%	62	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 12	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ <1	---	---	---

### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. 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	█ 16	---	---	---
Copper	ppm	█ 67	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ 89	---	---	---
Nickel	ppm	█ 1	---	---	---
Titanium	ppm	█ 1	---	---	---
Silver	ppm	█ <1	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	█ 1631	---	---	---
Magnesium	ppm	█ 507	---	---	---
Zinc	ppm	█ 1444	---	---	---
Phosphorus	ppm	█ 1149	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	334	---	---	---

Depot: VP154879

Unique No: 10632405

Signed: Sean Felton

Report Date: 06 Sep 2023

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## GRAPHS

