

# OIL ANALYSIS REPORT

# VOLVO PENTA

## CUMMINS 46203664 - PORT DIESEL ENGINE

Sample No: VPA048302

Oil Type: DIESEL ENGINE OIL SAE 40

### SAMPLE INFORMATION

Sample Number	VPA048302	---	---	---
Sample Date	02 Aug 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

**Monmouth Marine Engines Inc**  
536 UNION LN  
BRIELLE, NJ  
US 08730-1421  
Contact: Laura Clarkin  
monmouthmarine@gmail.com  
T:  
F:

### OIL CONDITION

Visc @ 100°C	cSt	█ 14.3	---	---	---
Base Number (BN)	mg KOH/g	█ 8.0	---	---	---
Oxidation (PA)	%	69	---	---	---

### CONTAMINATION

Soot %	%	█ 0.4	---	---	---
Nitration (PA)	%	68	---	---	---
Sulfation (PA)	%	57	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 5	---	---	---

### 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	█ 28	---	---	---
Copper	ppm	█ 6	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 14	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ 4	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---

### ADDITIVES

Calcium	ppm	█ 2146	---	---	---
Magnesium	ppm	█ 13	---	---	---
Zinc	ppm	█ 1149	---	---	---
Phosphorus	ppm	█ 953	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 161	---	---	---

**Depot:** VP153457  
**Unique No:** 10586266  
**Signed:** Don Baldrige  
**Report Date:** 04 Aug 2023

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## GRAPHS

