

# OIL ANALYSIS REPORT

**VOLVO  
PENTA**

## VEZEAU CUMMINS 73503836 - CENTER DIESEL ENGINE

**Sample No:** VPA060204  
**Oil Type:** SHELL ROTELLA T4 15W40

### SAMPLE INFORMATION

Sample Number	VPA060204	---	---	---
Sample Date	09 Oct 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

### BAY MARINE

3 E MADISON ST  
WAUKEGAN, IL  
US 60085  
Contact: BRENDAN COWHEY  
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### OIL CONDITION

Visc @ 100°C	cSt	█ 14.2	---	---	---
Base Number (BN)	mg KOH/g	█ 8.8	---	---	---
Oxidation (PA)	%	67	---	---	---

### CONTAMINATION

Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	46	---	---	---
Sulfation (PA)	%	56	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 7	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 9	---	---	---

### WEAR METALS

Iron	ppm	█ 5	---	---	---
Copper	ppm	█ 3	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---

### ADDITIVES

Calcium	ppm	█ 2121	---	---	---
Magnesium	ppm	19	---	---	---
Zinc	ppm	█ 1187	---	---	---
Phosphorus	ppm	█ 1032	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 186	---	---	---

### 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 suitable for further service.

**Depot:** VP1174336  
**Unique No:** 10686744  
**Signed:** Angela Borella  
**Report Date:** 12 Oct 2023

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## GRAPHS

