

# OIL ANALYSIS REPORT



## CUMMINS CUMMINS QSM 11 (S/N NOT GIVEN) - PORT DIESEL ENGINE

**Sample No:** VPA059705  
**Oil Type:** SCHAEFFER SUPREME 9000 15W40

### SAMPLE INFORMATION

Sample Number	VPA059705	---	---	---
Sample Date	04 Nov 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	100	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

**Edward's Marine and Sons**  
 12741 Sunset Ave  
 OCEAN CITY, MD  
 US 21842  
 Contact: Edward Bartholme  
 edwardsmarine@comcast.net;canastasio@wearcheckusa.com  
 T:  
 F:

### OIL CONDITION

Visc @ 100°C	cSt	█ 13.58	---	---	---
Base Number (BN)	mg KOH/g	█ 8.2	---	---	---
Oxidation (PA)	%	58	---	---	---

### CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.6	---	---	---
Nitration (PA)	%	59	---	---	---
Sulfation (PA)	%	54	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 0	---	---	---

### 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.

### WEAR METALS

Iron	ppm	█ 47	---	---	---
Copper	ppm	█ 34	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ 3	---	---	---
Molybdenum	ppm	█ 56	---	---	---
Nickel	ppm	█ < 1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ < 1	---	---	---
Manganese	ppm	█ < 1	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	█ 1718	---	---	---
Magnesium	ppm	█ 396	---	---	---
Zinc	ppm	█ 1248	---	---	---
Phosphorus	ppm	█ 1059	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

**Depot:** VP551029  
**Unique No:** 10749123  
**Signed:** Doug Bogart  
**Report Date:** 01 Dec 2023

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**VOLVO  
PENTA**

## GRAPHS

