

# OIL ANALYSIS REPORT

# VOLVO PENTA

## COREY EAVES EAVES VOLVO PENTA A1147247 - PORT DIESEL ENGINE

Sample No: VPA060028

Oil Type: SHELL ROTELLA T 15W40

### SAMPLE INFORMATION

Sample Number	VPA060028	---	---	---
Sample Date	09 Nov 2023	---	---	---
Machine Hours	150	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

### McMichael Yacht Yard No1 Inc

700 Rushmore Ave  
MAMARONECK, NY  
US 10543

Contact: Patti Hornidge  
rushmore@mcmyacht.com

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F:

### OIL CONDITION

Visc @ 100°C	cSt	█ 12.8	---	---	---
Base Number (BN)	mg KOH/g	█ 5.8	---	---	---
Oxidation (PA)	%	135	---	---	---

### 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.

### CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.3	---	---	---
Nitration (PA)	%	48	---	---	---
Sulfation (PA)	%	65	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 19	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 2	---	---	---

### WEAR METALS

Iron	ppm	█ 16	---	---	---
Copper	ppm	█ 16	---	---	---
Lead	ppm	█ 6	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 11	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ 54	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 1	---	---	---
Vanadium	ppm	< 1	---	---	---

### ADDITIVES

Calcium	ppm	█ 1091	---	---	---
Magnesium	ppm	█ 891	---	---	---
Zinc	ppm	█ 1213	---	---	---
Phosphorus	ppm	█ 989	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 9	---	---	---

Depot: VP153367

Unique No: 10752960

Signed: Don Baldrige

Report Date: 23 Nov 2023

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## GRAPHS

