

# OIL ANALYSIS REPORT

# VOLVO PENTA

## LAMPHER VOLVO PENTA 1012387510 - PORT DIESEL ENGINE

Sample No: VPA045649

Oil Type: SHELL ROTELLA T 15W40

### SAMPLE INFORMATION

Sample Number	VPA045649	---	---	---
Sample Date	03 Jan 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

**Aqua Yacht Harbor Marina**  
3832 Hwy. 25 North, 3832 Hwy. 25 North  
IUKA, MS  
US 38852  
Contact: DENNIS KANIZAI  
dkanizai@shmarinas.com  
T:  
F:

### OIL CONDITION

Visc @ 100°C	cSt	█ 14.3	---	---	---
Base Number (BN)	mg KOH/g	█ 7.8	---	---	---
Oxidation (PA)	%	72	---	---	---

### 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 %	%	█ 0.6	---	---	---
Nitration (PA)	%	65	---	---	---
Sulfation (PA)	%	61	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 9	---	---	---

### WEAR METALS

Iron	ppm	█ 11	---	---	---
Copper	ppm	█ 3	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 6	---	---	---
Nickel	ppm	█ 1	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	█ 2372	---	---	---
Magnesium	ppm	71	---	---	---
Zinc	ppm	█ 1353	---	---	---
Phosphorus	ppm	█ 998	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 190	---	---	---

Depot: VP299833  
Unique No: 10821083  
Signed: Sean Felton  
Report Date: 10 Jan 2024

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## GRAPHS

