

# OIL ANALYSIS REPORT

# VOLVO PENTA

## 7008434776 - STARBOARD DIESEL ENGINE

Sample No: VPA049743

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

### SAMPLE INFORMATION

Sample Number	VPA049743	---	---	---
Sample Date	19 Feb 2024	---	---	---
Machine Hours	657	---	---	---
Oil Hours	77	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

**SIEBERT YACHT MANAGEMENT**  
2875 JUPITER PARK DR, SUITE 1700  
JUPITER, FL  
US 33458  
Contact: JAY SIEBERT  
jay@siebertyachtmanagement.com  
T:  
F:

### OIL CONDITION

Visc @ 100°C	cSt	█ 13.7	---	---	---
Base Number (BN)	mg KOH/g	█ 9.5	---	---	---
Oxidation (PA)	%	51	---	---	---

### 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 %	%	█ 0.2	---	---	---
Nitration (PA)	%	43	---	---	---
Sulfation (PA)	%	49	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 8	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 2	---	---	---

### WEAR METALS

Iron	ppm	█ 13	---	---	---
Copper	ppm	█ 26	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 54	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ <1	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	█ 1011	---	---	---
Magnesium	ppm	█ 762	---	---	---
Zinc	ppm	█ 1058	---	---	---
Phosphorus	ppm	█ 945	---	---	---
Barium	ppm	█ 3	---	---	---
Boron	ppm	█ 12	---	---	---

Depot: VP1190184  
Unique No: 10886876  
Signed: Angela Borella  
Report Date: 21 Feb 2024

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## GRAPHS

