

# OIL ANALYSIS REPORT



## BRIAN MARGETT 43083 VOLVO PENTA 7008461435 - STARBOARD DIESEL ENGINE

**Sample No:** VPA048569  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

### SAMPLE INFORMATION

Sample Number	VPA048569	VPA031441	---	---
Sample Date	12 Jul 2023	07 Feb 2022	---	---
Machine Hours	145	131	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

### COASTAL CAROLINA YACHT SALES

145 LOCKWOOD BLVD  
 CHARLESTON, SC  
 US 29403  
 Contact: STEVE VASAS  
 steve@ccyachtsales.com

T:  
 F:

### OIL CONDITION

Visc @ 100°C	cSt	█ 13.3	█ 12.8	---	---
Base Number (BN)	mg KOH/g	█ 10.2	█ 10.8	---	---
Oxidation (PA)	%	57	61	---	---

### 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.

### CONTAMINATION

Soot %	%	█ 0.1	█ 0.2	---	---
Nitration (PA)	%	43	48	---	---
Sulfation (PA)	%	52	56	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 15	█ 19	---	---
Sodium	ppm	█ <1	█ 4	---	---
Potassium	ppm	█ 2	█ <1	---	---

### WEAR METALS

Iron	ppm	█ 10	█ 13	---	---
Copper	ppm	█ 12	█ 16	---	---
Lead	ppm	█ 0	█ 0	---	---
Tin	ppm	█ <1	█ <1	---	---
Aluminum	ppm	█ 2	█ 3	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 59	█ 55	---	---
Nickel	ppm	█ <1	█ <1	---	---
Titanium	ppm	█ 0	█ 0	---	---
Silver	ppm	█ <1	█ 2	---	---
Manganese	ppm	█ <1	█ <1	---	---
Vanadium	ppm	0	0	---	---

### ADDITIVES

Calcium	ppm	█ 1100	█ 1169	---	---
Magnesium	ppm	█ 871	█ 867	---	---
Zinc	ppm	█ 1171	█ 1133	---	---
Phosphorus	ppm	█ 1019	█ 1024	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 3	█ 9	---	---

**Depot:** VP568144  
**Unique No:** 10561117  
**Signed:** Don Baldrige  
**Report Date:** 18 Jul 2023

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**VOLVO  
PENTA**

## GRAPHS

