

# OIL ANALYSIS REPORT

# VOLVO PENTA

## VOLVO PENTA A345398 - STARBOARD DIESEL ENGINE

Sample No: VPA050861

Oil Type: DIESEL ENGINE OIL SAE 15W40

### SAMPLE INFORMATION

Sample Number	VPA050861	VPA043660	---	---
Sample Date	01 Feb 2024	21 Nov 2022	---	---
Machine Hours	776	591	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---

### OIL CONDITION

Visc @ 100°C	cSt	█ 13.7	█ 14.6	---	---
Base Number (BN)	mg KOH/g	█ 9.3	█ 10.0	---	---
Oxidation (PA)	%	56	68	---	---

### CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.2	█ 0.3	---	---
Nitration (PA)	%	49	58	---	---
Sulfation (PA)	%	50	60	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 4	█ 3	---	---
Sodium	ppm	█ <1	█ 2	---	---
Potassium	ppm	█ 3	█ 6	---	---

### WEAR METALS

Iron	ppm	█ 12	█ 12	---	---
Copper	ppm	█ 4	█ 3	---	---
Lead	ppm	█ 0	█ <1	---	---
Tin	ppm	█ 0	█ <1	---	---
Aluminum	ppm	█ 2	█ 1	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 50	█ 10	---	---
Nickel	ppm	█ 0	█ <1	---	---
Titanium	ppm	█ <1	█ 0	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ 0	█ <1	---	---
Vanadium	ppm	<1	0	---	---

### ADDITIVES

Calcium	ppm	█ 1103	█ 2106	---	---
Magnesium	ppm	█ 746	█ 161	---	---
Zinc	ppm	█ 1075	█ 1190	---	---
Phosphorus	ppm	█ 958	█ 1014	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 22	█ 171	---	---

### SUNCOAST DIESEL MARINE

6341 PORTER ROAD, SUITE 6  
SARASOTA, FL  
US 34240  
Contact: SERVICE MANAGER  
info@suncoastdmi.com  
T: (941)342-0033  
F:

### 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.

Depot: VP705283  
Unique No: 10874257  
Signed: Sean Felton  
Report Date: 14 Feb 2024

# OIL ANALYSIS REPORT

# VOLVO PENTA

## GRAPHS

