

# OIL ANALYSIS REPORT

# VOLVO PENTA

## DIAZ VOLVO PENTA 2006002401 - PORT DIESEL ENGINE

Sample No: VPA056255

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

### SAMPLE INFORMATION

Sample Number	VPA056255	---	---	---
Sample Date	16 Jun 2023	---	---	---
Machine Hours	1340	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

**FULL KEEL MARINE SERVICES**  
314 LEGION AVE  
ANNAPOLIS, MD  
US 21401  
Contact: Service Manager  
FULLKEELMARINESERIVES@GMAIL.COM  
T: (410)507-3542  
F:

### OIL CONDITION

Visc @ 100°C	cSt	█ 13.6	---	---	---
Base Number (BN)	mg KOH/g	█ 9.5	---	---	---
Oxidation (PA)	%	70	---	---	---

### 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

Soot %	%	█ 0.6	---	---	---
Nitration (PA)	%	61	---	---	---
Sulfation (PA)	%	68	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ < 1	---	---	---

### WEAR METALS

Iron	ppm	█ 6	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ < 1	---	---	---
Tin	ppm	█ < 1	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ < 1	---	---	---
Molybdenum	ppm	█ 58	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ < 1	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	█ 1021	---	---	---
Magnesium	ppm	█ 940	---	---	---
Zinc	ppm	█ 1200	---	---	---
Phosphorus	ppm	█ 1022	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 2	---	---	---

Depot: VP1298996  
Unique No: 10538664  
Signed: Don Baldrige  
Report Date: 04 Jul 2023

# OIL ANALYSIS REPORT

# VOLVO PENTA

## GRAPHS

