

# OIL ANALYSIS REPORT

# VOLVO PENTA

## AZ03185 - STARBOARD DIESEL ENGINE

Sample No: VPA058793

Oil Type: DIESEL ENGINE OIL SAE 15W40

### SAMPLE INFORMATION

Sample Number	VPA058793	---	---	---
Sample Date	21 May 2024	---	---	---
Machine Hours	451	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

### ADVANCED DIESEL

1029 INDUSTRIAL BLVD, UNIT 2  
NAPLES, FL  
US 34104  
Contact: KEITH SPICER  
keith\_advanceddiesel@yahoo.com  
T: (239)580-8731  
F:

### OIL CONDITION

Visc @ 100°C	cSt	█ 13.8	---	---	---
Base Number (BN)	mg KOH/g	█ 9.6	---	---	---
Oxidation (PA)	%	57	---	---	---

### 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

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	45	---	---	---
Sulfation (PA)	%	51	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ < 1	---	---	---

### WEAR METALS

Iron	ppm	█ 12	---	---	---
Copper	ppm	█ 5	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 13	---	---	---
Chromium	ppm	█ < 1	---	---	---
Molybdenum	ppm	█ 48	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ < 1	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	█ 1217	---	---	---
Magnesium	ppm	█ 806	---	---	---
Zinc	ppm	█ 1238	---	---	---
Phosphorus	ppm	█ 1060	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 35	---	---	---

Depot: VPADVNP  
Unique No: 11043989  
Signed: Sean Felton  
Report Date: 23 May 2024

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## GRAPHS

