

# OIL ANALYSIS REPORT

# VOLVO PENTA

## 2013922303 - STARBOARD DIESEL ENGINE

Sample No: VPA058223

Oil Type: DIESEL ENGINE OIL SAE 15W40

### SAMPLE INFORMATION

Sample Number	VPA058223	---	---	---
Sample Date	12 Mar 2024	---	---	---
Machine Hours	0	---	---	---
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	█ 7.7	---	---	---
Oxidation (PA)	%	53	---	---	---

### 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 %	%	█ 0.1	---	---	---
Nitration (PA)	%	52	---	---	---
Sulfation (PA)	%	51	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 0	---	---	---

### WEAR METALS

Iron	ppm	█ 7	---	---	---
Copper	ppm	█ < 1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 80	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	█ 1787	---	---	---
Magnesium	ppm	█ 335	---	---	---
Zinc	ppm	█ 1314	---	---	---
Phosphorus	ppm	█ 1135	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 219	---	---	---

Depot: VPADVNP  
Unique No: 10929297  
Signed: Sean Felton  
Report Date: 20 Mar 2024

# OIL ANALYSIS REPORT



## GRAPHS

