

# OIL ANALYSIS REPORT

# VOLVO PENTA

## 73656469 - PORT DIESEL ENGINE

Sample No: VPA058782

Oil Type: DIESEL ENGINE OIL SAE 15W40

### SAMPLE INFORMATION

Sample Number	VPA058782	---	---	---
Sample Date	17 May 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---

### 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	█ 14.0	---	---	---
Base Number (BN)	mg KOH/g	█ 7.9	---	---	---
Oxidation (PA)	%	55	---	---	---

### CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.3	---	---	---
Nitration (PA)	%	69	---	---	---
Sulfation (PA)	%	49	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ <1	---	---	---

### WEAR METALS

Iron	ppm	█ 28	---	---	---
Copper	ppm	█ 32	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	▲ 42	---	---	---
Chromium	ppm	█ 3	---	---	---
Molybdenum	ppm	█ 79	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	█ 2078	---	---	---
Magnesium	ppm	█ 97	---	---	---
Zinc	ppm	█ 1203	---	---	---
Phosphorus	ppm	█ 1058	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 94	---	---	---

### Diagnosis

We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. The aluminum level is severe. All other 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.

Depot: VPADVNAP  
Unique No: 11043992  
Signed: Sean Felton  
Report Date: 24 May 2024

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## GRAPHS

