

# OIL ANALYSIS REPORT

# VOLVO PENTA

## NOT GIVEN VPA056308 - GENSET

Sample No: VPA056308

Oil Type: DIESEL ENGINE OIL SAE 15W40

### SAMPLE INFORMATION

Sample Number	VPA056308	---	---	---
Sample Date	24 Aug 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

### 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	▲ 12.1	---	---	---
Base Number (BN)	mg KOH/g	■ 9.3	---	---	---
Oxidation (PA)	%	■ 53	---	---	---

### CONTAMINATION

Soot %	%	■ 0.1	---	---	---
Nitration (PA)	%	■ 51	---	---	---
Sulfation (PA)	%	■ 49	---	---	---
Glycol	%	■ NEG	---	---	---
Fuel	%	▲ 5.6	---	---	---
Silicon	ppm	■ 6	---	---	---
Sodium	ppm	■ 3	---	---	---
Potassium	ppm	■ 0	---	---	---

### WEAR METALS

Iron	ppm	■ 4	---	---	---
Copper	ppm	■ 1	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 0	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 60	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 0	---	---	---
Vanadium	ppm	<1	---	---	---

### ADDITIVES

Calcium	ppm	■ 1134	---	---	---
Magnesium	ppm	■ 1021	---	---	---
Zinc	ppm	■ 1254	---	---	---
Phosphorus	ppm	■ 1031	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 0	---	---	---

### Diagnosis

We advise that you check the fuel injection system. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of fuel present in the oil. Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil.

Depot: VPADV NAP  
Unique No: 10619874  
Signed: Jonathan Hester  
Report Date: 29 Aug 2023

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**VOLVO  
PENTA**

## GRAPHS

