

# OIL ANALYSIS REPORT

# VOLVO PENTA

## STEPHEN GIALIQUO BRETT VOLVO PENTA 2006002968 - DIESEL ENGINE

Sample No: VPA056354

Oil Type: VOLVO PENTA SAE 15W40

### SAMPLE INFORMATION

Sample Number	VPA056354	---	---	---
Sample Date	13 Jul 2023	---	---	---
Machine Hours	669	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	ABNORMAL	---	---	---

### OIL CONDITION

Visc @ 100°C	cSt	█ 14.2	---	---	---
Base Number (BN)	mg KOH/g	█ 9.2	---	---	---
Oxidation (PA)	%	56	---	---	---

### CONTAMINATION

Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	46	---	---	---
Sulfation (PA)	%	51	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 6	---	---	---
Sodium	ppm	▲ 251	---	---	---
Potassium	ppm	█ 11	---	---	---

### WEAR METALS

Iron	ppm	█ 110	---	---	---
Copper	ppm	█ 5	---	---	---
Lead	ppm	█ < 1	---	---	---
Tin	ppm	█ < 1	---	---	---
Aluminum	ppm	▲ 124	---	---	---
Chromium	ppm	█ 6	---	---	---
Molybdenum	ppm	█ 67	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ < 1	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	█ 1293	---	---	---
Magnesium	ppm	█ 872	---	---	---
Zinc	ppm	█ 1323	---	---	---
Phosphorus	ppm	█ 1075	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	169	---	---	---

#### ADMIRALTY MARINE

2775 KURTZ ST, STE 12

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T:

F:

#### Diagnosis

We advise that you check for possible coolant leak. Check for low coolant level. We recommend an early resample to monitor this condition. The aluminum level is abnormal. Piston wear is indicated. Sodium and/or potassium levels are high. The BN result indicates that there is suitable alkalinity remaining in the oil.

Depot: VP151529

Unique No: 10564495

Signed: Jonathan Hester

Report Date: 24 Jul 2023

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## GRAPHS

