

# OIL ANALYSIS REPORT

# VOLVO PENTA

## ONAN A180290382 - GENSET

Sample No: VPA059968

Oil Type: DIESEL ENGINE OIL SAE 15W40

### SAMPLE INFORMATION

Sample Number	VPA059968	---	---	---
Sample Date	15 Nov 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

### ALL SYSTEMS MARINE

700 MYRICK ST  
PENSACOLA, FL  
US 32505  
Contact: TRISTAN JOHNSON  
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T: (228)218-7963  
F:

### OIL CONDITION

Visc @ 100°C	cSt	█ 13.0	---	---	---
Base Number (BN)	mg KOH/g	█ 9.2	---	---	---
Oxidation (PA)	%	65	---	---	---

### 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)	%	53	---	---	---
Sulfation (PA)	%	61	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 8	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 2	---	---	---

### WEAR METALS

Iron	ppm	█ 3	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ < 1	---	---	---
Aluminum	ppm	█ 5	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 105	---	---	---
Nickel	ppm	█ < 1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ < 1	---	---	---
Vanadium	ppm	< 1	---	---	---

### ADDITIVES

Calcium	ppm	█ 1484	---	---	---
Magnesium	ppm	█ 709	---	---	---
Zinc	ppm	█ 895	---	---	---
Phosphorus	ppm	█ 786	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 314	---	---	---

Depot: VP99220003  
Unique No: 10756815  
Signed: Doug Bogart  
Report Date: 28 Nov 2023

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**VOLVO  
PENTA**

## GRAPHS

