

# OIL ANALYSIS REPORT

# VOLVO PENTA

## NEXT-GEN 1G110-YL0014 - CENTER GENSET

Sample No: VPA060891

Oil Type: DIESEL ENGINE OIL SAE 15W40

### SAMPLE INFORMATION

Sample Number	VPA060891	---	---	---
Sample Date	05 Mar 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	ATTENTION	---	---	---

### CAROLINA MARINE DIESEL

PO BOX 24159  
HILTON HEAD, SC  
US 29925

Contact: KEVIN JACKSON  
cmdieselsc@gmail.com  
T: (843)830-9202  
F: (843)681-9976

### OIL CONDITION

Visc @ 100°C	cSt	● 10.2	---	---	---
Base Number (BN)	mg KOH/g	■ 9.1	---	---	---
Oxidation (PA)	%	■ 32	---	---	---

### CONTAMINATION

Water	%	■ NEG	---	---	---
Soot %	%	■ 0.1	---	---	---
Nitration (PA)	%	■ 45	---	---	---
Sulfation (PA)	%	■ 39	---	---	---
Glycol	%	■ NEG	---	---	---
Fuel	%	■ 1.1	---	---	---
Silicon	ppm	■ 9	---	---	---
Sodium	ppm	■ 2	---	---	---
Potassium	ppm	■ 2	---	---	---

### WEAR METALS

Iron	ppm	■ 19	---	---	---
Copper	ppm	■ 1	---	---	---
Lead	ppm	■ 1	---	---	---
Tin	ppm	■ 1	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ 1	---	---	---
Molybdenum	ppm	■ 6	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	■ 3	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	■ 0	---	---	---

### ADDITIVES

Calcium	ppm	■ 1076	---	---	---
Magnesium	ppm	■ 787	---	---	---
Zinc	ppm	■ 885	---	---	---
Phosphorus	ppm	■ 751	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 3	---	---	---

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Fuel content negligible. No other contaminants were detected in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

Depot: CARHILSC  
Unique No: 10913505  
Signed: Sean Felton  
Report Date: 08 Mar 2024

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PENTA**

## GRAPHS

