

# OIL ANALYSIS REPORT

# VOLVO PENTA

## ONAN H130551138 - CENTER GENSET

Sample No: VPA044297

Oil Type: SHELL ROTELLA T4 15W40

### SAMPLE INFORMATION

Sample Number	VPA044297	---	---	---
Sample Date	31 Aug 2023	---	---	---
Machine Hours	345	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

### OIL CONDITION

Visc @ 100°C	cSt	█ 13.8	---	---	---
Base Number (BN)	mg KOH/g	█ 8.2	---	---	---
Oxidation (PA)	%	64	---	---	---

### CONTAMINATION

Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	51	---	---	---
Sulfation (PA)	%	54	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 11	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ 6	---	---	---

### WEAR METALS

Iron	ppm	█ 7	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 4	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 7	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	3	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	█ 2180	---	---	---
Magnesium	ppm	133	---	---	---
Zinc	ppm	█ 1215	---	---	---
Phosphorus	ppm	█ 989	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 192	---	---	---

### SMART DIESEL SERVICE

102 NW 133RD AVE, UNIT 103  
PLANTATION, FL  
US 33325  
Contact: ANDRES GARMENDIA  
smartdieselservice@gmail.com  
T: (954)258-8100  
F:

### Diagnosis

No corrective action is recommended at this time. 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 acceptable for the time in service.

Depot: VPSMAPLA  
Unique No: 10631747  
Signed: Doug Bogart  
Report Date: 05 Sep 2023

# OIL ANALYSIS REPORT

**VOLVO  
PENTA**

## GRAPHS

