

OIL ANALYSIS REPORT

**VOLVO
PENTA**

ONAN E030505809 - CENTER GENSET

Sample No: VPA047265

Oil Type: SHELL ROTELLA T 15W40

SAMPLE INFORMATION

Sample Number	VPA047265	---	---	---
Sample Date	21 Aug 2023	---	---	---
Machine Hours	3296	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 13.4	---	---	---
Base Number (BN)	mg KOH/g	█ 7.8	---	---	---
Oxidation (PA)	%	60	---	---	---

CONTAMINATION

Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	54	---	---	---
Sulfation (PA)	%	51	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 10	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ 10	---	---	---

WEAR METALS

Iron	ppm	█ 16	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 5	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ 17	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 2918	---	---	---
Magnesium	ppm	█ 83	---	---	---
Zinc	ppm	█ 1498	---	---	---
Phosphorus	ppm	█ 1282	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 201	---	---	---

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

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.

Depot: VPSMAPLA

Unique No: 10617201

Signed: Doug Bogart

Report Date: 24 Aug 2023

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GRAPHS

