

OIL ANALYSIS REPORT

**VOLVO
PENTA**

44568 CUMMINS K180442101 - GENSET

Sample No: VPA050885

Oil Type: SHELL ROTELLA T 15W40

SAMPLE INFORMATION

Sample Number	VPA050885	VPA037680	---	---
Sample Date	13 Mar 2024	22 Dec 2021	---	---
Machine Hours	621	444	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---

COASTAL CAROLINA YACHT SALES

145 LOCKWOOD BLVD

CHARLESTON, SC

US 29403

Contact: STEVE VASAS

steve@ccyachtsales.com

T:

F:

OIL CONDITION

Visc @ 100°C	cSt	12.7	13.1	---	---
Base Number (BN)	mg KOH/g	9.8	---	---	---
Oxidation (PA)	%	57	71	---	---

CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.1	0.1	---	---
Nitration (PA)	%	41	62	---	---
Sulfation (PA)	%	51	56	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	5	14	---	---
Sodium	ppm	0	7	---	---
Potassium	ppm	0	<1	---	---

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 acceptable for the time in service.

WEAR METALS

Iron	ppm	2	7	---	---
Copper	ppm	0	1	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	0	2	---	---
Chromium	ppm	0	<1	---	---
Molybdenum	ppm	55	48	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	<1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	1184	1432	---	---
Magnesium	ppm	916	644	---	---
Zinc	ppm	1225	1141	---	---
Phosphorus	ppm	1052	1037	---	---
Barium	ppm	0	0	---	---
Boron	ppm	10	67	---	---

Depot: VP568144

Unique No: 10929302

Signed: Sean Felton

Report Date: 20 Mar 2024

OIL ANALYSIS REPORT

VOLVO PENTA

GRAPHS

