

OIL ANALYSIS REPORT



CHRIS OLSON 44430 CUMMINS C170168901 - GENSET

Sample No: VPA050812

Oil Type: SHELL ROTELLA T 15W40

SAMPLE INFORMATION

Sample Number	VPA050812	VPA031366	---	---
Sample Date	19 Feb 2024	11 May 2021	---	---
Machine Hours	353	246	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Not Changd	---	---
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	13.7	13.2	---	---
Base Number (BN)	mg KOH/g	8.9	---	---	---
Oxidation (PA)	%	63	59	---	---

CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0	0	---	---
Nitration (PA)	%	43	41	---	---
Sulfation (PA)	%	55	55	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	6	5	---	---
Sodium	ppm	4	1	---	---
Potassium	ppm	6	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	4	5	---	---
Copper	ppm	1	<1	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	2	<1	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	19	59	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	<1	<1	---	---

ADDITIVES

Calcium	ppm	1572	1074	---	---
Magnesium	ppm	278	960	---	---
Zinc	ppm	1066	1240	---	---
Phosphorus	ppm	870	1077	---	---
Barium	ppm	34	0	---	---
Boron	ppm	128	6	---	---

Depot: VP568144
Unique No: 10898153
Signed: Don Baldrige
Report Date: 27 Feb 2024

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VOLVO PENTA

GRAPHS

