

OIL ANALYSIS REPORT

VOLVO PENTA

BRIAN MARGETT 41421 CUMMINS/ONAN C180324396 - GENSET

Sample No: VPA031442

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

SAMPLE INFORMATION

Sample Number	VPA031442	---	---	---
Sample Date	07 Feb 2022	---	---	---
Machine Hours	172	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	▲ 12.2	---	---	---
Base Number (BN)	mg KOH/g	■ 10.9	---	---	---
Oxidation (PA)	%	■ 61	---	---	---

CONTAMINATION

Soot %	%	■ 0.1	---	---	---
Nitration (PA)	%	■ 50	---	---	---
Sulfation (PA)	%	■ 55	---	---	---
Glycol	%	■ NEG	---	---	---
Fuel	%	▲ 4.1	---	---	---
Silicon	ppm	■ 12	---	---	---
Sodium	ppm	■ 3	---	---	---
Potassium	ppm	■ <1	---	---	---

WEAR METALS

Iron	ppm	■ 7	---	---	---
Copper	ppm	■ 4	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 56	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	■ 0	---	---	---

ADDITIVES

Calcium	ppm	■ 1238	---	---	---
Magnesium	ppm	■ 838	---	---	---
Zinc	ppm	■ 1110	---	---	---
Phosphorus	ppm	■ 1012	---	---	---
Barium	ppm	■ 2	---	---	---
Boron	ppm	■ 16	---	---	---

COASTAL CAROLINA YACHT SALES

145 LOCKWOOD BLVD

CHARLESTON, SC

US 29403

Contact: STEVE VASAS

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T:

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Diagnosis

We advise that you check the fuel injection system. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of fuel present in the oil. Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil.

Depot: VP568144

Unique No: 9852484

Signed: Jonathan Hester

Report Date: 17 Feb 2022

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GRAPHS

