

OIL ANALYSIS REPORT

VOLVO PENTA

BRUCE DYER KOHLER SGM32LFW5 - STARBOARD GENSET

Sample No: VPA031139

Oil Type: DIESEL ENGINE OIL SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA031139	VPA037604	---	---
Sample Date	06 Dec 2023	18 Aug 2021	---	---
Machine Hours	1385	893	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Changd	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 14.1	█ 14.7	---	---
Base Number (BN)	mg KOH/g	█ 9.2	---	---	---
Oxidation (PA)	%	60	53	---	---

CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.1	█ 0.8	---	---
Nitration (PA)	%	53	50	---	---
Sulfation (PA)	%	51	56	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 4	█ 7	---	---
Sodium	ppm	█ 1	█ 2	---	---
Potassium	ppm	█ 1	█ 6	---	---

WEAR METALS

Iron	ppm	█ 4	█ 12	---	---
Copper	ppm	█ 0	█ <1	---	---
Lead	ppm	█ 0	█ <1	---	---
Tin	ppm	█ 0	█ <1	---	---
Aluminum	ppm	█ 1	█ 0	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 47	█ 8	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	█ 0	█ <1	---	---
Silver	ppm	█ 0	<1	---	---
Manganese	ppm	█ 0	█ <1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	█ 1338	█ 2139	---	---
Magnesium	ppm	█ 558	█ 101	---	---
Zinc	ppm	█ 1124	█ 1115	---	---
Phosphorus	ppm	█ 978	█ 957	---	---
Barium	ppm	█ 3	█ 0	---	---
Boron	ppm	█ 38	█ 269	---	---

COASTAL CAROLINA YACHT SALES

145 LOCKWOOD BLVD
CHARLESTON, SC
US 29403
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T:
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: VP568144
Unique No: 10778822
Signed: Doug Bogart
Report Date: 11 Dec 2023

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GRAPHS

