

OIL ANALYSIS REPORT

VOLVO PENTA

ANDREW GEMT CB VOLVO PENTA 7008508339 - STARBOARD DIESEL ENGINE

Sample No: VPA044331

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

SAMPLE INFORMATION

Sample Number	VPA044331	---	---	---
Sample Date	12 Jul 2023	---	---	---
Machine Hours	902	---	---	---
Oil Hours	1	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

DIMILLO'S YACHT SALES

1 LONG WHARF

PORTLAND, ME

US 04101

Contact: LANE DEARING

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F:

OIL CONDITION

Visc @ 100°C	cSt	█ 13.7	---	---	---
Base Number (BN)	mg KOH/g	█ 10.3	---	---	---
Oxidation (PA)	%	53	---	---	---

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.

CONTAMINATION

Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	41	---	---	---
Sulfation (PA)	%	50	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 0	---	---	---

WEAR METALS

Iron	ppm	█ 8	---	---	---
Copper	ppm	█ 19	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 60	---	---	---
Nickel	ppm	█ < 1	---	---	---
Titanium	ppm	█ < 1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ < 1	---	---	---
Vanadium	ppm	< 1	---	---	---

ADDITIVES

Calcium	ppm	█ 1133	---	---	---
Magnesium	ppm	█ 1063	---	---	---
Zinc	ppm	█ 1299	---	---	---
Phosphorus	ppm	█ 1062	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: VPDIMPOR

Unique No: 10563368

Signed: Jonathan Hester

Report Date: 20 Jul 2023

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GRAPHS

