

OIL ANALYSIS REPORT

VOLVO PENTA

MOYSEY VOLVO PENTA A209851 - STARBOARD DIESEL ENGINE

Sample No: VPA058991

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

SAMPLE INFORMATION

Sample Number	VPA058991	---	---	---
Sample Date	13 Dec 2023	---	---	---
Machine Hours	654	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 13.4	---	---	---
Base Number (BN)	mg KOH/g	█ 9.9	---	---	---
Oxidation (PA)	%	56	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	46	---	---	---
Sulfation (PA)	%	53	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ < 1	---	---	---
Potassium	ppm	█ 1	---	---	---

WEAR METALS

Iron	ppm	█ 13	---	---	---
Copper	ppm	█ 3	---	---	---
Lead	ppm	█ 4	---	---	---
Tin	ppm	█ < 1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ < 1	---	---	---
Molybdenum	ppm	█ 60	---	---	---
Nickel	ppm	█ 1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ < 1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 1033	---	---	---
Magnesium	ppm	█ 966	---	---	---
Zinc	ppm	█ 1278	---	---	---
Phosphorus	ppm	█ 1101	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 1	---	---	---

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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.

Depot: VP1298996
Unique No: 10794155
Signed: Sean Felton
Report Date: 20 Dec 2023

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GRAPHS

