

OIL ANALYSIS REPORT

VOLVO PENTA

TERRY BAEHR 43908 VOLVO PENTA A1115971 - PORT DIESEL ENGINE

Sample No: VPA050669

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

SAMPLE INFORMATION

Sample Number	VPA050669	VPA041929	---	---
Sample Date	18 Dec 2023	23 Oct 2022	---	---
Machine Hours	309	194	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 14.0	█ 12.8	---	---
Base Number (BN)	mg KOH/g	█ 8.5	█ 11.1	---	---
Oxidation (PA)	%	65	65	---	---

CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.1	█ 0.2	---	---
Nitration (PA)	%	48	51	---	---
Sulfation (PA)	%	56	58	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 6	█ 21	---	---
Sodium	ppm	█ 2	█ 3	---	---
Potassium	ppm	█ 5	█ 2	---	---

WEAR METALS

Iron	ppm	█ 8	█ 14	---	---
Copper	ppm	█ 5	█ 16	---	---
Lead	ppm	█ 2	█ 4	---	---
Tin	ppm	█ <1	█ 3	---	---
Aluminum	ppm	█ 7	█ 6	---	---
Chromium	ppm	█ 1	█ 2	---	---
Molybdenum	ppm	█ 6	█ 58	---	---
Nickel	ppm	█ 2	█ 4	---	---
Titanium	ppm	█ 0	█ <1	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ 0	█ 1	---	---
Vanadium	ppm	<1	0	---	---

ADDITIVES

Calcium	ppm	█ 1939	█ 1208	---	---
Magnesium	ppm	█ 109	█ 902	---	---
Zinc	ppm	█ 1168	█ 1213	---	---
Phosphorus	ppm	█ 1015	█ 1050	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 165	█ 8	---	---

COASTAL CAROLINA YACHT SALES

145 LOCKWOOD BLVD

CHARLESTON, SC

US 29403

Contact: STEVE VASAS

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T:

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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: VP568144

Unique No: 10803539

Signed: Don Baldrige

Report Date: 26 Dec 2023

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GRAPHS

