

OIL ANALYSIS REPORT

VOLVO PENTA

BARBARA ANN A1061022 - CENTER DIESEL ENGINE

Sample No: VPA056892

Oil Type: SHELL ROTELLA T 15W40

SAMPLE INFORMATION

Sample Number	VPA056892	VPA044235	VPA043926	---
Sample Date	03 Nov 2023	04 Nov 2022	28 Dec 2021	---
Machine Hours	202	193	187	---
Oil Hours	8	6	6	---
Oil Changed	Changed	N/A	Not Changd	---
Sample Status	NORMAL	NORMAL	NORMAL	---

OIL CONDITION

Visc @ 100°C	cSt	█ 14.2	█ 13.7	█ 13.6	---
Base Number (BN)	mg KOH/g	█ 9.0	█ 10.3	█ 10.5	---
Oxidation (PA)	%	61	59	57	---

CONTAMINATION

Water	%	NEG	NEG	NEG	---
Soot %	%	█ 0.1	█ 0.1	█ 0.1	---
Nitration (PA)	%	43	43	40	---
Sulfation (PA)	%	53	56	54	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	█ 4	█ 4	█ 6	---
Sodium	ppm	█ <1	█ 1	█ 6	---
Potassium	ppm	█ 6	█ 4	█ 2	---

WEAR METALS

Iron	ppm	█ 8	█ 5	█ 7	---
Copper	ppm	█ 1	█ <1	█ 1	---
Lead	ppm	█ 0	█ <1	█ <1	---
Tin	ppm	█ 0	█ <1	█ <1	---
Aluminum	ppm	█ 1	█ <1	█ <1	---
Chromium	ppm	█ 0	█ <1	█ <1	---
Molybdenum	ppm	█ 21	█ 27	█ 49	---
Nickel	ppm	█ <1	█ <1	█ <1	---
Titanium	ppm	█ <1	█ 0	█ 0	---
Silver	ppm	█ 0	█ 0	█ <1	---
Manganese	ppm	█ 0	█ <1	█ <1	---
Vanadium	ppm	0	0	0	---

ADDITIVES

Calcium	ppm	█ 1826	█ 1830	█ 1134	---
Magnesium	ppm	█ 202	171	█ 795	---
Zinc	ppm	█ 1112	█ 1132	█ 1080	---
Phosphorus	ppm	█ 960	█ 923	█ 1002	---
Barium	ppm	█ 0	█ 0	█ 0	---
Boron	ppm	█ 156	█ 125	█ 30	---

The Talaria Company

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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 suitable for further service.

Depot: VP592286
Unique No: 10751232
Signed: Angela Borella
Report Date: 21 Nov 2023

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GRAPHS

