

OIL ANALYSIS REPORT

**VOLVO
PENTA**

WALKABOUT WALKABOUT - PORT DIESEL ENGINE

Sample No: VPA058447

Oil Type: SHELL ROTELLA T 15W40

SAMPLE INFORMATION

Sample Number	VPA058447	VPA027123	---	---
Sample Date	04 Dec 2023	28 Oct 2019	---	---
Machine Hours	630	455	---	---
Oil Hours	27	0	---	---
Oil Changed	Changed	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 14.1	█ 14.3	---	---
Base Number (BN)	mg KOH/g	█ 8.0	---	---	---
Oxidation (PA)	%	73	64	---	---

CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.1	█ 0.3	---	---
Nitration (PA)	%	48	51	---	---
Sulfation (PA)	%	57	55	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 3	█ 4	---	---
Sodium	ppm	█ <1	█ 5	---	---
Potassium	ppm	█ 7	█ 7	---	---

WEAR METALS

Iron	ppm	█ 7	█ 13	---	---
Copper	ppm	█ 1	█ 2	---	---
Lead	ppm	█ 0	█ 2	---	---
Tin	ppm	█ 0	█ 0	---	---
Aluminum	ppm	█ 1	█ 1	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 0	█ 7	---	---
Nickel	ppm	█ 0	█ 2	---	---
Titanium	ppm	█ 0	█ <1	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ 0	█ <1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	█ 2002	█ 2088	---	---
Magnesium	ppm	█ 13	█ 114	---	---
Zinc	ppm	█ 995	█ 1084	---	---
Phosphorus	ppm	█ 817	█ 926	---	---
Barium	ppm	█ 3	█ 0	---	---
Boron	ppm	█ 193	█ 144	---	---

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: 10778831
Signed: Doug Bogart
Report Date: 11 Dec 2023

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GRAPHS

