

OIL ANALYSIS REPORT

VOLVO PENTA

4 FROGS 51609 - PORT DIESEL ENGINE

Sample No: VPA044665

Oil Type: SHELL ROTELLA T 15W40

SAMPLE INFORMATION

Sample Number	VPA044665	VPA032082	---	---
Sample Date	04 Nov 2022	02 Oct 2021	---	---
Machine Hours	318	124	---	---
Oil Hours	111	0	---	---
Oil Changed	Changed	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 13.7	█ 14.3	---	---
Base Number (BN)	mg KOH/g	█ 8.1	---	---	---
Oxidation (PA)	%	72	73	---	---

CONTAMINATION

Soot %	%	█ 0.2	█ 0.2	---	---
Nitration (PA)	%	68	66	---	---
Sulfation (PA)	%	59	60	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 4	█ 5	---	---
Sodium	ppm	█ 2	█ 2	---	---
Potassium	ppm	█ 8	█ 8	---	---

WEAR METALS

Iron	ppm	█ 23	█ 30	---	---
Copper	ppm	█ 98	█ 69	---	---
Lead	ppm	█ 2	█ <1	---	---
Tin	ppm	█ <1	█ <1	---	---
Aluminum	ppm	█ 2	█ 2	---	---
Chromium	ppm	█ <1	█ 1	---	---
Molybdenum	ppm	█ <1	█ <1	---	---
Nickel	ppm	█ <1	█ <1	---	---
Titanium	ppm	█ 0	█ <1	---	---
Silver	ppm	█ 6	█ 5	---	---
Manganese	ppm	█ <1	█ 1	---	---
Vanadium	ppm	0	<1	---	---

ADDITIVES

Calcium	ppm	█ 2363	█ 2226	---	---
Magnesium	ppm	█ 16	█ 19	---	---
Zinc	ppm	█ 1290	█ 1260	---	---
Phosphorus	ppm	█ 1050	█ 1007	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 190	█ 202	---	---

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: 10319187
Signed: Sean Felton
Report Date: 01 Feb 2023

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GRAPHS

