

OIL ANALYSIS REPORT

VOLVO PENTA

BLESSED 10072 M52090 - CENTER DIESEL ENGINE

Sample No: VPA056914

Oil Type: SHELL ROTELLA T 15W40

SAMPLE INFORMATION

Sample Number	VPA056914	VPA056915	VPA028718	---
Sample Date	26 Sep 2023	17 Feb 2023	17 Nov 2021	---
Machine Hours	290	255	243	---
Oil Hours	47	12	0	---
Oil Changed	Not Changd	Not Changd	Not Changd	---
Sample Status	NORMAL	NORMAL	NORMAL	---

OIL CONDITION

Visc @ 100°C	cSt	█ 14.1	█ 14.51	█ 14.0	---
Base Number (BN)	mg KOH/g	█ 7.8	█ 8.9	---	---
Oxidation (PA)	%	66	66	72	---

CONTAMINATION

Soot %	%	█ 0.1	█ 0.1	█ 0.1	---
Nitration (PA)	%	57	53	58	---
Sulfation (PA)	%	55	56	59	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	█ 2	█ 2	█ 3	---
Sodium	ppm	█ 3	█ 2	█ 4	---
Potassium	ppm	█ 7	█ 6	█ 7	---

WEAR METALS

Iron	ppm	█ 7	█ 5	█ 9	---
Copper	ppm	█ 2	█ <1	█ 2	---
Lead	ppm	█ 0	█ 1	█ <1	---
Tin	ppm	█ 0	█ <1	█ <1	---
Aluminum	ppm	█ 2	█ 1	█ 1	---
Chromium	ppm	█ <1	█ <1	█ <1	---
Molybdenum	ppm	█ 0	█ <1	█ <1	---
Nickel	ppm	█ <1	█ 0	█ <1	---
Titanium	ppm	█ 0	█ 0	█ <1	---
Silver	ppm	█ 0	█ 0	█ <1	---
Manganese	ppm	█ <1	█ <1	█ <1	---
Vanadium	ppm	0	0	0	---

ADDITIVES

Calcium	ppm	█ 2138	█ 2093	█ 2255	---
Magnesium	ppm	█ 28	█ 16	█ 12	---
Zinc	ppm	█ 1253	█ 1146	█ 1136	---
Phosphorus	ppm	█ 1028	█ 926	█ 1045	---
Barium	ppm	█ 0	█ 0	█ 0	---
Boron	ppm	█ 188	█ 223	█ 211	---

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 acceptable for the time in service.

Depot: VP592286
 Unique No: 10722486
 Signed: Sean Felton
 Report Date: 01 Nov 2023

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GRAPHS

