

OIL ANALYSIS REPORT

VOLVO PENTA

BIG BOY CHARTERS VOLVO PENTA BIG BOY CHARTERS (S/N NOT GIVEN) - MAIN ENGINE

Sample No: VPA036696

Oil Type: SHELL ROTELLA T 15W40

SAMPLE INFORMATION

Sample Number	VPA036696	---	---	---
Sample Date	15 Jan 2024	---	---	---
Machine Hours	176	---	---	---
Oil Hours	176	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 13.8	---	---	---
Base Number (BN)	mg KOH/g	█ 9.5	---	---	---
Oxidation (PA)	%	67	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.3	---	---	---
Nitration (PA)	%	59	---	---	---
Sulfation (PA)	%	55	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 8	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 4	---	---	---

WEAR METALS

Iron	ppm	█ 15	---	---	---
Copper	ppm	█ 5	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ < 1	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ 48	---	---	---
Nickel	ppm	█ 1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ < 1	---	---	---
Vanadium	ppm	█ < 1	---	---	---

ADDITIVES

Calcium	ppm	█ 1167	---	---	---
Magnesium	ppm	█ 914	---	---	---
Zinc	ppm	█ 1010	---	---	---
Phosphorus	ppm	█ 837	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 32	---	---	---

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T: x:
F: x:

Diagnosis

Oil and filter change at the time of sampling has been noted. 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: VP610438
Unique No: 10843036
Signed: Angela Borella
Report Date: 23 Jan 2024

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GRAPHS

