

OIL ANALYSIS REPORT

VOLVO PENTA

BRANDON ARLINGTON 6454 VOLVO PENTA KAD300A-B 2300073423 - DIESEL ENGINE

Sample No: VPA060543

Oil Type: NOT GIVEN

SAMPLE INFORMATION

Sample Number	VPA060543	---	---	---
Sample Date	30 Nov 2023	---	---	---
Machine Hours	225	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	ABNORMAL	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 13.8	---	---	---
Base Number (BN)	mg KOH/g	█ 9.1	---	---	---
Oxidation (PA)	%	66	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.6	---	---	---
Nitration (PA)	%	68	---	---	---
Sulfation (PA)	%	60	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 10	---	---	---
Sodium	ppm	█ 5	---	---	---
Potassium	ppm	█ 2	---	---	---

WEAR METALS

Iron	ppm	█ 95	---	---	---
Copper	ppm	█ 6	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ 1	---	---	---
Aluminum	ppm	▲ 114	---	---	---
Chromium	ppm	█ 7	---	---	---
Molybdenum	ppm	█ 118	---	---	---
Nickel	ppm	▲ 6	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ <1	---	---	---
Manganese	ppm	2	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	█ 1497	---	---	---
Magnesium	ppm	█ 701	---	---	---
Zinc	ppm	█ 914	---	---	---
Phosphorus	ppm	766	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 309	---	---	---

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Diagnosis

No corrective action is recommended at this time. We recommend an early resample to monitor this condition. The aluminum level is abnormal. Piston wear is indicated. Valve wear is indicated. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil.

Depot: VP759009
Unique No: 10768731
Signed: Jonathan Hester
Report Date: 06 Dec 2023

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GRAPHS

