

OIL ANALYSIS REPORT

**VOLVO
PENTA**

MATT BOHUERT 6204 VOLVO PENTA KAD44P-B 2204403530 - PORT DIESEL ENGINE

Sample No: VPA048859

Oil Type: NOT GIVEN

SAMPLE INFORMATION

Sample Number	VPA048859	---	---	---
Sample Date	07 Aug 2023	---	---	---
Machine Hours	2356	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	SEVERE	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 14.7	---	---	---
Base Number (BN)	mg KOH/g	█ 8.1	---	---	---
Oxidation (PA)	%	48	---	---	---

CONTAMINATION

Soot %	%	█ 1.3	---	---	---
Nitration (PA)	%	64	---	---	---
Sulfation (PA)	%	53	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 8	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ 4	---	---	---

WEAR METALS

Iron	ppm	█ 67	---	---	---
Copper	ppm	█ 5	---	---	---
Lead	ppm	█ 3	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	● 65	---	---	---
Chromium	ppm	█ 6	---	---	---
Molybdenum	ppm	█ 25	---	---	---
Nickel	ppm	█ 6	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ <1	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	█ 1303	---	---	---
Magnesium	ppm	█ 687	---	---	---
Zinc	ppm	█ 804	---	---	---
Phosphorus	ppm	688	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 99	---	---	---

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Diagnosis

We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. The aluminum level is severe. Piston 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. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: VP759009
Unique No: 10591904
Signed: Jonathan Hester
Report Date: 10 Aug 2023

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GRAPHS

