

OIL ANALYSIS REPORT



VOLVO PENTA 3940024861 - PORT IPS

Sample No: VPA056376

Oil Type: VOLVO PENTA GL-5 SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA056376	VPA047742	VPA014551	---
Sample Date	13 Feb 2024	25 Apr 2023	01 Nov 2022	---
Machine Hours	500	2800	1500	---
Oil Hours	0	0	400	---
Oil Changed	Not Changd	N/A	Changed	---
Sample Status	ABNORMAL	NORMAL	NORMAL	---

FDDA FT PIERCE - POWER CENTER

FORT PIERCE, FL
US

Contact: KYLE GRASER
k.graser@kirbycorp.com

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OIL CONDITION

Visc @ 40°C	cSt	█ 106	█ 106	102	---
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CONTAMINATION

Water	%	▲ 0.340	NEG	NEG	---
Silicon	ppm	█ 12	4	13	---
Sodium	ppm	█ <1	█ 0	█ <1	---
Potassium	ppm	█ 1	█ 1	█ 1	---

Diagnosis

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. Resample at the next service interval to monitor. All component wear rates are normal. There is a light concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

WEAR METALS

PQ		█ 12	█ 11	█ 15	---
Iron	ppm	█ 87	█ 24	█ 186	---
Copper	ppm	█ 10	█ 3	█ 17	---
Lead	ppm	<1	0	0	---
Tin	ppm	<1	0	0	---
Aluminum	ppm	█ 1	0	2	---
Chromium	ppm	█ 2	█ 0	█ 1	---
Molybdenum	ppm	█ 1	█ <1	█ 1	---
Nickel	ppm	█ 2	█ 0	█ 2	---
Titanium	ppm	<1	0	0	---
Silver	ppm	<1	0	0	---
Manganese	ppm	█ 2	█ <1	█ 4	---
Vanadium	ppm	<1	0	0	---

ADDITIVES

Calcium	ppm	█ 9	█ 5	7	---
Magnesium	ppm	█ <1	█ 1	█ 3	---
Zinc	ppm	█ 6	█ 4	█ 7	---
Phosphorus	ppm	█ 1246	█ 1304	█ 1221	---
Barium	ppm	█ 0	█ 0	█ 0	---
Boron	ppm	█ 290	█ 355	█ 264	---

Depot: VP208659
Unique No: 10883370
Signed: Doug Bogart
Report Date: 16 Feb 2024

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**VOLVO
PENTA**

GRAPHS

