

OIL ANALYSIS REPORT

VOLVO PENTA

VOLVO PENTA 3940025489 - PORT IPS

Sample No: VPA06090519

Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA06090519	VPA047739	VPA010583	---
Sample Date	13 Feb 2024	25 Apr 2023	01 Nov 2022	---
Machine Hours	500	2800	1500	---
Oil Hours	100	0	300	---
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	█ 107	104	---
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CONTAMINATION

Water	%	▲ 0.255	NEG	NEG	---
Silicon	ppm	█ 16	12	15	---
Sodium	ppm	█ 15	█ 15	█ 2	---
Potassium	ppm	█ 2	█ 2	█ <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. Gear wear is indicated. 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		█ 19	█ 21	█ 22	---
Iron	ppm	▲ 285	█ 164	█ 173	---
Copper	ppm	█ 24	█ 8	█ 13	---
Lead	ppm	<1	0	0	---
Tin	ppm	<1	0	0	---
Aluminum	ppm	█ 6	<1	2	---
Chromium	ppm	█ 2	█ 1	█ <1	---
Molybdenum	ppm	█ 1	█ <1	█ 2	---
Nickel	ppm	█ 4	█ 1	█ 2	---
Titanium	ppm	<1	0	0	---
Silver	ppm	<1	0	0	---
Manganese	ppm	█ 6	█ 3	█ 4	---
Vanadium	ppm	<1	0	0	---

ADDITIVES

Calcium	ppm	█ 13	█ 8	6	---
Magnesium	ppm	█ 3	█ 3	█ 1	---
Zinc	ppm	█ 20	█ 14	█ 6	---
Phosphorus	ppm	█ 1259	█ 1314	█ 1207	---
Barium	ppm	█ 0	█ 0	█ 0	---
Boron	ppm	█ 250	█ 333	█ 258	---

Depot: VP208659
Unique No: 10883372
Signed: Doug Bogart
Report Date: 16 Feb 2024

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GRAPHS

