

OIL ANALYSIS REPORT

VOLVO PENTA

3940017905 - PORT IPS

Sample No: VPA045920

Oil Type: VOLVO API GL-5 SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA045920	---	---	---
Sample Date	30 Apr 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---

ADVANCED DIESEL

1029 INDUSTRIAL BLVD, UNIT 2
NAPLES, FL
US 34104
Contact: KEITH SPICER
keith_advanceddiesel@yahoo.com
T: (239)580-8731
F:

OIL CONDITION

Visc @ 40°C	cSt	█ 113.2	---	---	---
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CONTAMINATION

Water	%	▲ 5.34	---	---	---
Silicon	ppm	27	---	---	---
Sodium	ppm	● 649	---	---	---
Potassium	ppm	█ 27	---	---	---

WEAR METALS

PQ		█ 25	---	---	---
Iron	ppm	▲ 477	---	---	---
Copper	ppm	█ 42	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	10	---	---	---
Chromium	ppm	█ 4	---	---	---
Molybdenum	ppm	█ 1	---	---	---
Nickel	ppm	█ 6	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	2	---	---	---
Manganese	ppm	█ 7	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	█ 42	---	---	---
Magnesium	ppm	█ 90	---	---	---
Zinc	ppm	█ 68	---	---	---
Phosphorus	ppm	█ 2160	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 577	---	---	---

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. We recommend an early resample to monitor this condition. Gear wear is indicated. Appearance is unacceptable. There is a high concentration of water present in the oil. The high sodium (Na) level indicates the possible presence of salt water. The oil is no longer serviceable due to the presence of contaminants.

Depot: VPADVNP
Unique No: 11006969
Signed: Doug Bogart
Report Date: 02 May 2024

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GRAPHS

