

OIL ANALYSIS REPORT

VOLVO PENTA

39400015348 - PORT IPS

Sample No: VPA056280

Oil Type: VOLVO PENTA GL-5 SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA056280	VPA056147	---	---
Sample Date	11 Aug 2023	03 Jul 2023	---	---
Machine Hours	1053	1026	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	ABNORMAL	SEVERE	---	---

OIL CONDITION

Visc @ 40°C	cSt	█ 102.2	█ 103	---	---
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CONTAMINATION

Water	%	▲ 0.784	---	---	---
Silicon	ppm	▲ 20	22	---	---
Sodium	ppm	█ 91	█ 93	---	---
Potassium	ppm	█ 4	█ 4	---	---

WEAR METALS

PQ		█ 31	█ 31	---	---
Iron	ppm	▲ 377	▲ 395	---	---
Copper	ppm	▲ 38	▲ 37	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	5	7	---	---
Chromium	ppm	█ 2	█ 3	---	---
Molybdenum	ppm	█ <1	█ <1	---	---
Nickel	ppm	█ 3	█ 4	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	<1	<1	---	---
Manganese	ppm	█ 4	█ 4	---	---
Vanadium	ppm	0	<1	---	---

ADDITIVES

Calcium	ppm	█ 9	▲ 12	---	---
Magnesium	ppm	█ 13	▲ 11	---	---
Zinc	ppm	█ 41	█ 34	---	---
Phosphorus	ppm	█ 1417	█ 1468	---	---
Barium	ppm	█ 2	█ 0	---	---
Boron	ppm	█ 311	█ 327	---	---

ADVANCED DIESEL

1029 INDUSTRIAL BLVD, UNIT 2
NAPLES, FL
US 34104
Contact: KEITH SPICER
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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 moderate concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot: VPADVNPAP
Unique No: 10603821
Signed: Doug Bogart
Report Date: 14 Aug 2023

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**VOLVO
PENTA**

GRAPHS

