

# OIL ANALYSIS REPORT

# VOLVO PENTA

## GLANELL VOLVO PENTA 3950002174 - PORT IPS

Sample No: VPA036391

Oil Type: VOLVO PENTA GL-5 SAE 75W90

### SAMPLE INFORMATION

Sample Number	VPA036391	VPA046476	VPA048388	---
Sample Date	04 Dec 2023	07 Jun 2023	05 Jul 2022	---
Machine Hours	710	1067	0	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Not Changd	Changed	---
Sample Status	SEVERE	SEVERE	SEVERE	---

### OIL CONDITION

Visc @ 40°C	cSt	█ 109	█ 103	█ 101	---
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### CONTAMINATION

Water	%	● 1.06	NEG	NEG	---
Silicon	ppm	█ 29	12	14	---
Sodium	ppm	█ 31	█ 14	█ 3	---
Potassium	ppm	█ 7	█ 3	█ 4	---

### WEAR METALS

PQ		█ 22	█ 151	█ 255	---
Iron	ppm	● 580	● 868	● 758	---
Copper	ppm	█ 55	█ 16	█ 11	---
Lead	ppm	0	0	<1	---
Tin	ppm	<1	0	0	---
Aluminum	ppm	█ 12	█ 19	█ 30	---
Chromium	ppm	█ 4	█ 9	█ 9	---
Molybdenum	ppm	█ <1	█ 2	█ 0	---
Nickel	ppm	█ 3	█ 5	█ 3	---
Titanium	ppm	0	<1	<1	---
Silver	ppm	0	<1	1	---
Manganese	ppm	█ 9	█ 10	█ 10	---
Vanadium	ppm	<1	0	0	---

### ADDITIVES

Calcium	ppm	█ 39	█ 8	█ 16	---
Magnesium	ppm	█ 16	█ 4	6	---
Zinc	ppm	█ 62	█ 142	█ 33	---
Phosphorus	ppm	█ 1337	█ 1363	█ 1331	---
Barium	ppm	█ 0	█ 0	█ 0	---
Boron	ppm	█ 212	█ 281	█ 309	---

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### Diagnosis

We advise that you check for the source of water entry. Oil and filter change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Gear wear is indicated. There is a high concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot: VP1298996  
Unique No: 10778716  
Signed: Don Baldrige  
Report Date: 11 Dec 2023

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## GRAPHS

