

# OIL ANALYSIS REPORT



**DOUG ZALK 7720058 VOLVO PENTA 3940024275 - PORT IPS**

**Sample No:** VPA054005

**Oil Type:** VOLVO PENTA GL-5 SAE 75W90

## SAMPLE INFORMATION

Sample Number	VPA054005	VPA042688	VPA026053	VPA028812
Sample Date	05 Jun 2024	19 Jul 2023	20 Jun 2022	23 Jun 2021
Machine Hours	0	258	220	150
Oil Hours	0	0	70	82
Oil Changed	Changed	N/A	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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## OIL CONDITION

Visc @ 40°C	cSt	95.3	111	107	106
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## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	6	7	7
Sodium	ppm	2	0	2	3
Potassium	ppm	<1	<1	0	<1

## Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

## WEAR METALS

PQ		14	19	18	25
Iron	ppm	12	32	64	51
Copper	ppm	2	1	2	3
Lead	ppm	0	0	0	0
Tin	ppm	0	0	<1	<1
Aluminum	ppm	0	0	<1	1
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	2	0	<1	<1
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	0
Manganese	ppm	0	<1	1	2
Vanadium	ppm	0	0	0	0

## ADDITIVES

Calcium	ppm	169	11	8	4
Magnesium	ppm	4	1	<1	6
Zinc	ppm	61	5	4	3
Phosphorus	ppm	1402	1372	1303	1293
Barium	ppm	0	0	0	0
Boron	ppm	609	359	305	390

**Depot:** VP99031103  
**Unique No:** 11076828  
**Signed:** Don Baldrige  
**Report Date:** 17 Jun 2024

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# VOLVO PENTA

## GRAPHS

