

# OIL ANALYSIS REPORT



**RON GIARD 500775 VOLVO DPH-D1 3020297234 - STARBOARD GEARBOX**

**Sample No:** VPA051958  
**Oil Type:** GEAR OIL SAE 75W90

## SAMPLE INFORMATION

Sample Number	<b>VPA051958</b>	VPA04495238	VPA010610	---
Sample Date	<b>25 Sep 2023</b>	07 Jun 2018	28 Jul 2017	---
Machine Hours	<b>1278</b>	1061	961	---
Oil Hours	<b>0</b>	0	84	---
Oil Changed	<b>Changed</b>	Changed	Changed	---
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	---

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## OIL CONDITION

Visc @ 40°C	cSt	<b>106</b>	96.9	101.4	---
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## CONTAMINATION

Silicon	ppm	<b>2</b>	3	2	---
Sodium	ppm	<b>2</b>	5	13	---
Potassium	ppm	<b>0</b>	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 fluid. The condition of the fluid is acceptable for the time in service.

## WEAR METALS

PQ		<b>18</b>	12	21	---
Iron	ppm	<b>4</b>	10	17	---
Copper	ppm	<b>0</b>	<1	<1	---
Lead	ppm	<b>0</b>	1	0	---
Tin	ppm	<b>0</b>	0	<1	---
Aluminum	ppm	<b>2</b>	<1	2	---
Chromium	ppm	<b>0</b>	<1	<1	---
Molybdenum	ppm	<b>0</b>	2	<1	---
Nickel	ppm	<b>&lt;1</b>	2	<1	---
Titanium	ppm	<b>0</b>	0	0	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>&lt;1</b>	<1	1	---
Vanadium	ppm	<b>0</b>	<1	0	---

## ADDITIVES

Calcium	ppm	<b>4</b>	31	29	---
Magnesium	ppm	<b>0</b>	3	4	---
Zinc	ppm	<b>0</b>	20	9	---
Phosphorus	ppm	<b>1538</b>	1408	1174	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>357</b>	278	239	---

**Depot:** VP179089  
**Unique No:** 10675784  
**Signed:** Don Baldrige  
**Report Date:** 06 Oct 2023

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**VOLVO  
PENTA**

## GRAPHS

