

# OIL ANALYSIS REPORT



**CRAIG CHRISTIANSEN 45112 VOLVO PENTA 3200000252 - PORT IPS**

**Sample No:** VPA054278

**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5

## SAMPLE INFORMATION

Sample Number	<b>VPA054278</b>	VPA043061	VPA042844	---
Sample Date	<b>25 Jun 2024</b>	15 Jun 2023	04 Aug 2022	---
Machine Hours	<b>582</b>	477	364	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Changed</b>	Changed	N/A	---
Sample Status	<b>ATTENTION</b>	ATTENTION	NORMAL	---

## COASTAL CAROLINA YACHT SALES

145 LOCKWOOD BLVD  
CHARLESTON, SC  
US 29403  
Contact: STEVE VASAS  
steve@ccyachtsales.com

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## OIL CONDITION

Visc @ 40°C	cSt	<b>105</b>	109	99.1	---
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## CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	---
Silicon	ppm	<b>1</b>	2	2	---
Sodium	ppm	<b>20</b>	14	10	---
Potassium	ppm	<b>2</b>	3	2	---

## Diagnosis

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. The lead level is abnormal. All other 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		<b>24</b>	26	14	---
Iron	ppm	<b>202</b>	254	117	---
Copper	ppm	<b>21</b>	29	33	---
Lead	ppm	<b>12</b>	0	0	---
Tin	ppm	<b>0</b>	0	<1	---
Aluminum	ppm	<b>4</b>	4	2	---
Chromium	ppm	<b>&lt;1</b>	2	<1	---
Molybdenum	ppm	<b>0</b>	<1	3	---
Nickel	ppm	<b>2</b>	3	2	---
Titanium	ppm	<b>0</b>	0	0	---
Silver	ppm	<b>0</b>	0	<1	---
Manganese	ppm	<b>2</b>	3	2	---
Vanadium	ppm	<b>0</b>	0	0	---

## ADDITIVES

Calcium	ppm	<b>7</b>	5	39	---
Magnesium	ppm	<b>10</b>	22	130	---
Zinc	ppm	<b>49</b>	43	32	---
Phosphorus	ppm	<b>1444</b>	1354	1252	---
Barium	ppm	<b>0</b>	2	<1	---
Boron	ppm	<b>299</b>	293	66	---

**Depot:** VP568144  
**Unique No:** 11111350  
**Signed:** Don Baldrige  
**Report Date:** 07 Jul 2024

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**VOLVO  
PENTA**

## GRAPHS

