

# OIL ANALYSIS REPORT

**VOLVO  
PENTA**

**HAL WILSON 44182 VOLVO PENTA 3940021839 - STARBOARD IPS**

**Sample No:** VPA056504

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

## SAMPLE INFORMATION

Sample Number	<b>VPA056504</b>	VPA031084	VPA031450	---
Sample Date	<b>11 Jan 2024</b>	31 Jan 2023	07 Feb 2022	---
Machine Hours	<b>638</b>	529	453	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Changed</b>	Changed	Changed	---
Sample Status	<b>NORMAL</b>	ABNORMAL	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>107</b>	118	107	---
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## CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	---
Silicon	ppm	<b>17</b>	15	9	---
Sodium	ppm	<b>4</b>	1	3	---
Potassium	ppm	<b>2</b>	2	4	---

## 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		<b>10</b>	12	23	---
Iron	ppm	<b>78</b>	18	28	---
Copper	ppm	<b>13</b>	4	7	---
Lead	ppm	<b>0</b>	0	0	---
Tin	ppm	<b>0</b>	0	<1	---
Aluminum	ppm	<b>2</b>	<1	<1	---
Chromium	ppm	<b>&lt;1</b>	<1	<1	---
Molybdenum	ppm	<b>0</b>	6	0	---
Nickel	ppm	<b>&lt;1</b>	<1	<1	---
Titanium	ppm	<b>0</b>	0	0	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>3</b>	<1	2	---
Vanadium	ppm	<b>0</b>	0	0	---

## ADDITIVES

Calcium	ppm	<b>13</b>	27	27	---
Magnesium	ppm	<b>2</b>	<1	1	---
Zinc	ppm	<b>19</b>	12	23	---
Phosphorus	ppm	<b>1237</b>	1227	1477	---
Barium	ppm	<b>3</b>	0	0	---
Boron	ppm	<b>301</b>	336	310	---

**Depot:** VP568144

**Unique No:** 10835976

**Signed:** Don Baldrige

**Report Date:** 21 Jan 2024

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## GRAPHS

