

# OIL ANALYSIS REPORT

# VOLVO PENTA

**GREG PACKER MATTHEW DOW VOLVO PENTA 3940021420 - STARBOARD IPS**

**Sample No:** VPA061920  
**Oil Type:** GEAR OIL SAE 75W90

## SAMPLE INFORMATION

Sample Number	<b>VPA061920</b>	VPA055916	VPA036112	---
Sample Date	<b>28 May 2024</b>	12 Apr 2023	26 Jan 2022	---
Machine Hours	<b>629</b>	550	461	---
Oil Hours	<b>79</b>	89	0	---
Oil Changed	<b>Changed</b>	Changed	Changed	---
Sample Status	<b>NORMAL</b>	ATTENTION	ABNORMAL	---

**Mobile Marine Services Inc**  
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EAST JORDAN, MI  
US 49727  
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T: Phone  
F:

## OIL CONDITION

Visc @ 40°C	cSt	<b>101</b>	108	103	---
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## CONTAMINATION

Water	%	<b>NEG</b>	NEG	▲ 0.567	---
Silicon	ppm	<b>12</b>	16	17	---
Sodium	ppm	<b>3</b>	4	26	---
Potassium	ppm	<b>3</b>	2	3	---

## 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>23</b>	29	19	---
Iron	ppm	<b>221</b>	260	293	---
Copper	ppm	<b>10</b>	19	36	---
Lead	ppm	<b>0</b>	0	<1	---
Tin	ppm	<b>0</b>	0	0	---
Aluminum	ppm	<b>5</b>	<1	4	---
Chromium	ppm	<b>1</b>	2	2	---
Molybdenum	ppm	<b>0</b>	<1	1	---
Nickel	ppm	<b>2</b>	2	5	---
Titanium	ppm	<b>0</b>	0	0	---
Silver	ppm	<b>0</b>	0	1	---
Manganese	ppm	<b>6</b>	4	7	---
Vanadium	ppm	<b>0</b>	0	0	---

## ADDITIVES

Calcium	ppm	<b>7</b>	8	12	---
Magnesium	ppm	<b>22</b>	17	59	---
Zinc	ppm	<b>24</b>	24	11	---
Phosphorus	ppm	<b>1535</b>	1317	1361	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>282</b>	316	275	---

**Depot:** VP443016  
**Unique No:** 11111358  
**Signed:** Don Baldrige  
**Report Date:** 07 Jul 2024

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**VOLVO  
PENTA**

## GRAPHS

