

# OIL ANALYSIS REPORT

# VOLVO PENTA

**RICHARD FISCHMAN MATTHEW DOW VOLVO PENTA 3102253581 - STERNDRIVE - STARBOARD GEARBOX**

**Sample No:** VPA056587

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

## SAMPLE INFORMATION

Sample Number	<b>VPA056587</b>	VPA055911	VPA017538	---
Sample Date	<b>05 Sep 2023</b>	14 Apr 2023	18 Oct 2018	---
Machine Hours	<b>932</b>	902	661	---
Oil Hours	<b>67</b>	63	79	---
Oil Changed	<b>Changed</b>	Changed	Changed	---
Sample Status	<b>NORMAL</b>	NORMAL	ATTENTION	---

**Mobile Marine Services Inc**  
01032 Advance Rd South  
EAST JORDAN, MI  
US 49727  
Contact: Duane Kujat  
mobilemarine@twin-valley.net  
T: Phone  
F:

## OIL CONDITION

Visc @ 40°C	cSt	<b>162</b>	159	102.8	---
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## CONTAMINATION

Water	%	<b>NEG</b>	NEG	0.478	---
Silicon	ppm	<b>2</b>	2	7	---
Sodium	ppm	<b>0</b>	0	2	---
Potassium	ppm	<b>&lt;1</b>	1	<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		<b>26</b>	33	148	---
Iron	ppm	<b>19</b>	35	233	---
Copper	ppm	<b>&lt;1</b>	<1	1	---
Lead	ppm	<b>0</b>	0	<1	---
Tin	ppm	<b>0</b>	0	<1	---
Aluminum	ppm	<b>2</b>	0	8	---
Chromium	ppm	<b>&lt;1</b>	<1	4	---
Molybdenum	ppm	<b>&lt;1</b>	<1	0	---
Nickel	ppm	<b>&lt;1</b>	<1	5	---
Titanium	ppm	<b>0</b>	0	3	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>0</b>	<1	7	---
Vanadium	ppm	<b>0</b>	0	<1	---

## ADDITIVES

Calcium	ppm	<b>11</b>	8	10	---
Magnesium	ppm	<b>675</b>	512	2	---
Zinc	ppm	<b>0</b>	4	21	---
Phosphorus	ppm	<b>1188</b>	1307	1277	---
Barium	ppm	<b>7</b>	0	0	---
Boron	ppm	<b>469</b>	421	343	---

**Depot:** VP443016  
**Unique No:** 10742954  
**Signed:** Angela Borella  
**Report Date:** 17 Nov 2023

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**VOLVO  
PENTA**

## GRAPHS

