

# OIL ANALYSIS REPORT



**LARRY SPILLANE MATTHEW DOW VOLVO PENTA 3950007325 - STARBOARD IPS**

**Sample No:** VPA061918  
**Oil Type:** GEAR OIL SAE 75W90

## SAMPLE INFORMATION

Sample Number	<b>VPA061918</b>	VPA042491	VPA035003	---
Sample Date	<b>10 May 2024</b>	23 Jan 2023	24 Feb 2022	---
Machine Hours	<b>138</b>	85	28	---
Oil Hours	<b>110</b>	57	0	---
Oil Changed	<b>Changed</b>	Not Changd	Changed	---
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	---

**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>108</b>	108	103	---
-------------	-----	------------	-----	-----	-----

## CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	---
Silicon	ppm	<b>3</b>	1	4	---
Sodium	ppm	<b>0</b>	<1	4	---
Potassium	ppm	<b>4</b>	1	5	---

## 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>15</b>	13	19	---
Iron	ppm	<b>27</b>	13	8	---
Copper	ppm	<b>5</b>	2	3	---
Lead	ppm	<b>&lt;1</b>	0	0	---
Tin	ppm	<b>1</b>	0	0	---
Aluminum	ppm	<b>2</b>	<1	<1	---
Chromium	ppm	<b>&lt;1</b>	0	0	---
Molybdenum	ppm	<b>&lt;1</b>	0	0	---
Nickel	ppm	<b>&lt;1</b>	0	0	---
Titanium	ppm	<b>&lt;1</b>	0	<1	---
Silver	ppm	<b>&lt;1</b>	0	4	---
Manganese	ppm	<b>2</b>	1	2	---
Vanadium	ppm	<b>&lt;1</b>	0	0	---

## ADDITIVES

Calcium	ppm	<b>11</b>	16	23	---
Magnesium	ppm	<b>86</b>	81	984	---
Zinc	ppm	<b>7</b>	9	2	---
Phosphorus	ppm	<b>1297</b>	1315	1600	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>412</b>	326	696	---

**Depot:** VP443016  
**Unique No:** 11046302  
**Signed:** Don Baldrige  
**Report Date:** 28 May 2024

# OIL ANALYSIS REPORT

**VOLVO  
PENTA**

## GRAPHS

