

# OIL ANALYSIS REPORT



**SEA BEYOND SEA BEYOND VOLVO PENTA 3950002982 - PORT IPS**

**Sample No:** VPA062022  
**Oil Type:** GEAR OIL SAE 75W90

## SAMPLE INFORMATION

Sample Number	<b>VPA062022</b>	VPA021941	VPA044804	VPA039954
Sample Date	<b>24 Jun 2024</b>	12 Dec 2023	01 Jun 2023	06 Apr 2022
Machine Hours	<b>586</b>	569	557	520
Oil Hours	<b>0</b>	11	0	0
Oil Changed	<b>Changed</b>	Not Changd	Changed	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**MARINE DIESEL SERVICES INC**  
 1711 WHITTIER AVE, SUITE B  
 COSTA MESA, CA  
 US 92627  
 Contact: BEN ALMAZAN  
 marinedieselservices@outlook.com;BEN@MARINEDIESELSERVICE.COM  
 T: (949)612-8180  
 F: x:

## OIL CONDITION

Visc @ 40°C	cSt	<b>105</b>	107	114	107
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## CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	NEG
Silicon	ppm	<b>1</b>	2	<1	<1
Sodium	ppm	<b>0</b>	<1	<1	<1
Potassium	ppm	<b>1</b>	2	0	<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 fluid. The condition of the fluid is acceptable for the time in service.

## WEAR METALS

PQ		<b>22</b>	20	25	25
Iron	ppm	<b>14</b>	11	29	37
Copper	ppm	<b>12</b>	0	0	1
Lead	ppm	<b>2</b>	0	0	0
Tin	ppm	<b>&lt;1</b>	0	0	0
Aluminum	ppm	<b>3</b>	<1	0	<1
Chromium	ppm	<b>&lt;1</b>	0	<1	<1
Molybdenum	ppm	<b>2</b>	0	<1	<1
Nickel	ppm	<b>&lt;1</b>	<1	<1	0
Titanium	ppm	<b>&lt;1</b>	0	0	0
Silver	ppm	<b>&lt;1</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	<1
Vanadium	ppm	<b>&lt;1</b>	0	0	0

## ADDITIVES

Calcium	ppm	<b>38</b>	19	0	4
Magnesium	ppm	<b>2</b>	4	6	40
Zinc	ppm	<b>14</b>	0	0	0
Phosphorus	ppm	<b>1262</b>	1395	1391	1311
Barium	ppm	<b>&lt;1</b>	0	0	0
Boron	ppm	<b>310</b>	323	358	297

**Depot:** VP288530  
**Unique No:** 11103030  
**Signed:** Don Baldrige  
**Report Date:** 02 Jul 2024

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# VOLVO PENTA

## GRAPHS

