

# OIL ANALYSIS REPORT



## VOLVO PENTA 3940014846 - PORT IPS

**Sample No:** VPA048697  
**Oil Type:** GEAR OIL SAE 75W90

### SAMPLE INFORMATION

Sample Number	<b>VPA048697</b>	VPA045274	VPA041657	VPA030290
Sample Date	<b>31 Jul 2023</b>	03 Apr 2023	13 Sep 2022	24 Jan 2020
Machine Hours	<b>462</b>	852	823	461
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>N/A</b>	N/A	N/A	Not Changd
Sample Status	<b>NORMAL</b>	SEVERE	ABNORMAL	ATTENTION

**SUNCOAST DIESEL MARINE**  
 6341 PORTER ROAD, SUITE 6  
 SARASOTA, FL  
 US 34240  
 Contact: SERVICE MANAGER  
 info@suncoastdmi.com  
 T: (941)342-0033  
 F:

### OIL CONDITION

Visc @ 40°C	cSt	<b>106.9</b>	102	103	102.2
-------------	-----	--------------	-----	-----	-------

### CONTAMINATION

Water	%	---	▲ 0.404	▲ 0.309	---
Silicon	ppm	<b>8</b>	19	18	32
Sodium	ppm	<b>10</b>	56	29	19
Potassium	ppm	<b>&lt;1</b>	1	0	0

### WEAR METALS

PQ		<b>17</b>	19	16	29
Iron	ppm	<b>13</b>	503	389	338
Copper	ppm	<b>4</b>	37	33	39
Lead	ppm	<b>0</b>	0	0	1
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>6</b>	6	5	6
Chromium	ppm	<b>&lt;1</b>	3	3	2
Molybdenum	ppm	<b>0</b>	1	1	0
Nickel	ppm	<b>&lt;1</b>	4	3	3
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	<1
Manganese	ppm	<b>&lt;1</b>	5	4	6
Vanadium	ppm	<b>0</b>	0	0	0

### ADDITIVES

Calcium	ppm	<b>6</b>	19	19	15
Magnesium	ppm	<b>4</b>	28	10	9
Zinc	ppm	<b>5</b>	38	19	56
Phosphorus	ppm	<b>1431</b>	1244	1265	1279
Barium	ppm	<b>10</b>	0	<1	<1
Boron	ppm	<b>325</b>	232	282	158

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. The water content is negligible. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** VP705283  
**Unique No:** 10586905  
**Signed:** Doug Bogart  
**Report Date:** 04 Aug 2023

# OIL ANALYSIS REPORT

# VOLVO PENTA

## GRAPHS

