

# OIL ANALYSIS REPORT

# VOLVO PENTA

## VOLVO PENTA 3940025577 - STARBOARD IPS

Sample No: VPA050860

Oil Type: GEAR OIL SAE 75W90

### SAMPLE INFORMATION

|               |             |     |     |     |
|---------------|-------------|-----|-----|-----|
| Sample Number | VPA050860   | --- | --- | --- |
| Sample Date   | 15 Mar 2024 | --- | --- | --- |
| Machine Hours | 493         | --- | --- | --- |
| Oil Hours     | 0           | --- | --- | --- |
| Oil Changed   | N/A         | --- | --- | --- |
| Sample Status | ABNORMAL    | --- | --- | --- |

### 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 | ■ 108 | --- | --- | --- |
|-------------|-----|-------|-----|-----|-----|

### CONTAMINATION

|           |     |         |     |     |     |
|-----------|-----|---------|-----|-----|-----|
| Water     | %   | ▲ 0.254 | --- | --- | --- |
| Silicon   | ppm | ■ 15    | --- | --- | --- |
| Sodium    | ppm | ■ 21    | --- | --- | --- |
| Potassium | ppm | ■ 0     | --- | --- | --- |

### WEAR METALS

|            |     |       |     |     |     |
|------------|-----|-------|-----|-----|-----|
| PQ         |     | ■ 32  | --- | --- | --- |
| Iron       | ppm | ● 291 | --- | --- | --- |
| Copper     | ppm | ■ 29  | --- | --- | --- |
| Lead       | ppm | ■ 0   | --- | --- | --- |
| Tin        | ppm | ■ 0   | --- | --- | --- |
| Aluminum   | ppm | ■ 1   | --- | --- | --- |
| Chromium   | ppm | ■ 2   | --- | --- | --- |
| Molybdenum | ppm | ■ < 1 | --- | --- | --- |
| Nickel     | ppm | ■ 3   | --- | --- | --- |
| Titanium   | ppm | ■ 0   | --- | --- | --- |
| Silver     | ppm | ■ 0   | --- | --- | --- |
| Manganese  | ppm | ■ 5   | --- | --- | --- |
| Vanadium   | ppm | ■ 0   | --- | --- | --- |

### ADDITIVES

|            |     |        |     |     |     |
|------------|-----|--------|-----|-----|-----|
| Calcium    | ppm | ■ 6    | --- | --- | --- |
| Magnesium  | ppm | ■ 40   | --- | --- | --- |
| Zinc       | ppm | ■ 18   | --- | --- | --- |
| Phosphorus | ppm | ■ 1500 | --- | --- | --- |
| Barium     | ppm | ■ 0    | --- | --- | --- |
| Boron      | ppm | ■ 269  | --- | --- | --- |

### Diagnosis

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. Gear wear is indicated. There is a high concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot: VP705283  
Unique No: 10940039  
Signed: Don Baldrige  
Report Date: 25 Mar 2024

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PENTA**

## GRAPHS

