

# OIL ANALYSIS REPORT

# VOLVO PENTA

## ZF 20021572 - INBOARD - PORT GEARBOX

Sample No: VPA058161

Oil Type: SAE 40W

### SAMPLE INFORMATION

|               |             |     |     |     |
|---------------|-------------|-----|-----|-----|
| Sample Number | VPA058161   | --- | --- | --- |
| Sample Date   | 16 May 2024 | --- | --- | --- |
| Machine Hours | 1100        | --- | --- | --- |
| 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 | ■ 84.9 | --- | --- | --- |
|-------------|-----|--------|-----|-----|-----|

### CONTAMINATION

|           |     |     |     |     |     |
|-----------|-----|-----|-----|-----|-----|
| Water     | %   | NEG | --- | --- | --- |
| Silicon   | ppm | ■ 3 | --- | --- | --- |
| Sodium    | ppm | ■ 2 | --- | --- | --- |
| Potassium | ppm | ■ 0 | --- | --- | --- |

### WEAR METALS

|            |     |       |     |     |     |
|------------|-----|-------|-----|-----|-----|
| PQ         |     | 18    | --- | --- | --- |
| Iron       | ppm | ■ 22  | --- | --- | --- |
| Copper     | ppm | ■ 107 | --- | --- | --- |
| Lead       | ppm | ▲ 90  | --- | --- | --- |
| Tin        | ppm | ■ 6   | --- | --- | --- |
| Aluminum   | ppm | ■ 3   | --- | --- | --- |
| Chromium   | ppm | ■ 0   | --- | --- | --- |
| Molybdenum | ppm | ■ 41  | --- | --- | --- |
| Nickel     | ppm | ■ 0   | --- | --- | --- |
| Titanium   | ppm | ■ 0   | --- | --- | --- |
| Silver     | ppm | 0     | --- | --- | --- |
| Manganese  | ppm | ■ <1  | --- | --- | --- |
| Vanadium   | ppm | 0     | --- | --- | --- |

### ADDITIVES

|            |     |        |     |     |     |
|------------|-----|--------|-----|-----|-----|
| Calcium    | ppm | ■ 1514 | --- | --- | --- |
| Magnesium  | ppm | ■ 391  | --- | --- | --- |
| Zinc       | ppm | ■ 891  | --- | --- | --- |
| Phosphorus | ppm | ■ 815  | --- | --- | --- |
| Barium     | ppm | ■ 0    | --- | --- | --- |
| Boron      | ppm | ■ 196  | --- | --- | --- |

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The lead level is abnormal. All other 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.

Depot: VP705283  
Unique No: 11034496  
Signed: Sean Felton  
Report Date: 21 May 2024

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## GRAPHS

