

# OIL ANALYSIS REPORT

# VOLVO PENTA

## VOLVO PENTA A365955 - STERNDRIVE - GEARBOX

**Sample No:** VPA036308  
**Oil Type:** GEAR OIL SAE 75W90

### SAMPLE INFORMATION

|               |             |     |     |     |
|---------------|-------------|-----|-----|-----|
| Sample Number | VPA036308   | --- | --- | --- |
| Sample Date   | 03 Apr 2024 | --- | --- | --- |
| Machine Hours | 495         | --- | --- | --- |
| Oil Hours     | 0           | --- | --- | --- |
| Oil Changed   | N/A         | --- | --- | --- |
| Sample Status | SEVERE      | --- | --- | --- |

### OIL CONDITION

|             |     |         |     |     |     |
|-------------|-----|---------|-----|-----|-----|
| Visc @ 40°C | cSt | ■ 106.6 | --- | --- | --- |
|-------------|-----|---------|-----|-----|-----|

### CONTAMINATION

|           |     |        |     |     |     |
|-----------|-----|--------|-----|-----|-----|
| Water     | %   | ▲ 3.24 | --- | --- | --- |
| Silicon   | ppm | ■ 12   | --- | --- | --- |
| Sodium    | ppm | ▲ 315  | --- | --- | --- |
| Potassium | ppm | ■ 14   | --- | --- | --- |

### WEAR METALS

|            |     |       |     |     |     |
|------------|-----|-------|-----|-----|-----|
| PQ         |     | ■ 30  | --- | --- | --- |
| Iron       | ppm | ▲ 920 | --- | --- | --- |
| Copper     | ppm | ■ 4   | --- | --- | --- |
| Lead       | ppm | ■ 0   | --- | --- | --- |
| Tin        | ppm | ■ 0   | --- | --- | --- |
| Aluminum   | ppm | ▲ 21  | --- | --- | --- |
| Chromium   | ppm | ▲ 11  | --- | --- | --- |
| Molybdenum | ppm | ■ <1  | --- | --- | --- |
| Nickel     | ppm | ▲ 10  | --- | --- | --- |
| Titanium   | ppm | <1    | --- | --- | --- |
| Silver     | ppm | 0     | --- | --- | --- |
| Manganese  | ppm | ■ 12  | --- | --- | --- |
| Vanadium   | ppm | <1    | --- | --- | --- |

### ADDITIVES

|            |     |        |     |     |     |
|------------|-----|--------|-----|-----|-----|
| Calcium    | ppm | ■ 48   | --- | --- | --- |
| Magnesium  | ppm | ■ 43   | --- | --- | --- |
| Zinc       | ppm | ■ 82   | --- | --- | --- |
| Phosphorus | ppm | ■ 1289 | --- | --- | --- |
| Barium     | ppm | ■ 0    | --- | --- | --- |
| Boron      | ppm | ■ 316  | --- | --- | --- |

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

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 high sodium (Na) level indicates the possible presence of salt water. The oil is no longer serviceable due to the presence of contaminants.

### Diagnosis

**Depot:** VP705283  
**Unique No:** 10963922  
**Signed:** Doug Bogart  
**Report Date:** 04 Apr 2024

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## GRAPHS

