

# OIL ANALYSIS REPORT

# VOLVO PENTA

**DAN TEMPLIN 68486-3 VOLVO PENTA 3940020381 - STARBOARD IPS**

**Sample No:** VPA037902

**Oil Type:** GEAR OIL SAE 75W90

## SAMPLE INFORMATION

|               |             |     |     |     |
|---------------|-------------|-----|-----|-----|
| Sample Number | VPA037902   | --- | --- | --- |
| Sample Date   | 14 Sep 2023 | --- | --- | --- |
| Machine Hours | 490         | --- | --- | --- |
| Oil Hours     | 32          | --- | --- | --- |
| Oil Changed   | Changed     | --- | --- | --- |
| Sample Status | NORMAL      | --- | --- | --- |

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## OIL CONDITION

|             |     |       |     |     |     |
|-------------|-----|-------|-----|-----|-----|
| Visc @ 40°C | cSt | █ 107 | --- | --- | --- |
|-------------|-----|-------|-----|-----|-----|

## CONTAMINATION

|           |     |     |     |     |     |
|-----------|-----|-----|-----|-----|-----|
| Silicon   | ppm | 6   | --- | --- | --- |
| Sodium    | ppm | █ 0 | --- | --- | --- |
| Potassium | ppm | █ 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 oil. The condition of the oil is acceptable for the time in service.

## WEAR METALS

|            |     |      |     |     |     |
|------------|-----|------|-----|-----|-----|
| PQ         |     | █ 16 | --- | --- | --- |
| Iron       | ppm | █ 25 | --- | --- | --- |
| Copper     | ppm | 2    | --- | --- | --- |
| Lead       | ppm | 0    | --- | --- | --- |
| Tin        | ppm | 0    | --- | --- | --- |
| Aluminum   | ppm | 0    | --- | --- | --- |
| Chromium   | ppm | █ <1 | --- | --- | --- |
| Molybdenum | ppm | █ <1 | --- | --- | --- |
| Nickel     | ppm | █ <1 | --- | --- | --- |
| Titanium   | ppm | 0    | --- | --- | --- |
| Silver     | ppm | 0    | --- | --- | --- |
| Manganese  | ppm | █ <1 | --- | --- | --- |
| Vanadium   | ppm | 0    | --- | --- | --- |

## ADDITIVES

|            |     |        |     |     |     |
|------------|-----|--------|-----|-----|-----|
| Calcium    | ppm | █ 12   | --- | --- | --- |
| Magnesium  | ppm | █ 1    | --- | --- | --- |
| Zinc       | ppm | █ 6    | --- | --- | --- |
| Phosphorus | ppm | █ 1302 | --- | --- | --- |
| Barium     | ppm | █ 0    | --- | --- | --- |
| Boron      | ppm | █ 298  | --- | --- | --- |

**Depot:** VP153319  
**Unique No:** 10659984  
**Signed:** Don Baldrige  
**Report Date:** 24 Sep 2023

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**VOLVO  
PENTA**

## GRAPHS

