

# OIL ANALYSIS REPORT

# VOLVO PENTA

**DOUG WILLIAMSON 505800 VOLVO PENTA 3200004145 - STARBOARD IPS**

**Sample No:** VPA055187

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

## SAMPLE INFORMATION

|               |             |     |     |     |
|---------------|-------------|-----|-----|-----|
| Sample Number | VPA055187   | --- | --- | --- |
| Sample Date   | 18 Dec 2023 | --- | --- | --- |
| Machine Hours | 148         | --- | --- | --- |
| Oil Hours     | 32          | --- | --- | --- |
| Oil Changed   | Changed     | --- | --- | --- |
| Sample Status | NORMAL      | --- | --- | --- |

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## OIL CONDITION

|             |     |       |     |     |     |
|-------------|-----|-------|-----|-----|-----|
| Visc @ 40°C | cSt | █ 103 | --- | --- | --- |
|-------------|-----|-------|-----|-----|-----|

## CONTAMINATION

|           |     |      |     |     |     |
|-----------|-----|------|-----|-----|-----|
| Water     | %   | NEG  | --- | --- | --- |
| Silicon   | ppm | <1   | --- | --- | --- |
| Sodium    | ppm | █ 1  | --- | --- | --- |
| 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         |     | █ 20 | --- | --- | --- |
| Iron       | ppm | █ 22 | --- | --- | --- |
| Copper     | ppm | 6    | --- | --- | --- |
| Lead       | ppm | 0    | --- | --- | --- |
| Tin        | ppm | 0    | --- | --- | --- |
| Aluminum   | ppm | 0    | --- | --- | --- |
| Chromium   | ppm | █ 0  | --- | --- | --- |
| Molybdenum | ppm | █ 0  | --- | --- | --- |
| Nickel     | ppm | █ 0  | --- | --- | --- |
| Titanium   | ppm | 0    | --- | --- | --- |
| Silver     | ppm | 0    | --- | --- | --- |
| Manganese  | ppm | █ <1 | --- | --- | --- |
| Vanadium   | ppm | 0    | --- | --- | --- |

## ADDITIVES

|            |     |        |     |     |     |
|------------|-----|--------|-----|-----|-----|
| Calcium    | ppm | █ 94   | --- | --- | --- |
| Magnesium  | ppm | 93     | --- | --- | --- |
| Zinc       | ppm | █ 32   | --- | --- | --- |
| Phosphorus | ppm | █ 1426 | --- | --- | --- |
| Barium     | ppm | █ 0    | --- | --- | --- |
| Boron      | ppm | █ 317  | --- | --- | --- |

**Depot:** VP297371

**Unique No:** 10804798

**Signed:** Sean Felton

**Report Date:** 27 Dec 2023

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## GRAPHS

