

# OIL ANALYSIS REPORT

# VOLVO PENTA

**WILDE 582220 VOLVO PENTA 3950002436 - PORT IPS**

**Sample No:** VPA045427

**Oil Type:** VOLVO API GL-5 SAE 75W90

## SAMPLE INFORMATION

|               |                    |             |     |     |
|---------------|--------------------|-------------|-----|-----|
| Sample Number | <b>VPA045427</b>   | VPA033856   | --- | --- |
| Sample Date   | <b>11 Jul 2023</b> | 22 Apr 2021 | --- | --- |
| Machine Hours | <b>300</b>         | 221         | --- | --- |
| Oil Hours     | <b>0</b>           | 0           | --- | --- |
| Oil Changed   | <b>Not Changd</b>  | N/A         | --- | --- |
| Sample Status | <b>NORMAL</b>      | NORMAL      | --- | --- |

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## OIL CONDITION

|             |     |            |     |     |     |
|-------------|-----|------------|-----|-----|-----|
| Visc @ 40°C | cSt | <b>110</b> | 105 | --- | --- |
|-------------|-----|------------|-----|-----|-----|

## CONTAMINATION

|           |     |          |    |     |     |
|-----------|-----|----------|----|-----|-----|
| Silicon   | ppm | <b>7</b> | 18 | --- | --- |
| Sodium    | ppm | <b>0</b> | 1  | --- | --- |
| Potassium | ppm | <b>1</b> | <1 | --- | --- |

## WEAR METALS

|            |     |              |    |     |     |
|------------|-----|--------------|----|-----|-----|
| PQ         |     | <b>15</b>    | 18 | --- | --- |
| Iron       | ppm | <b>9</b>     | 17 | --- | --- |
| Copper     | ppm | <b>2</b>     | 6  | --- | --- |
| Lead       | ppm | <b>0</b>     | 2  | --- | --- |
| Tin        | ppm | <b>0</b>     | 0  | --- | --- |
| Aluminum   | ppm | <b>0</b>     | <1 | --- | --- |
| Chromium   | ppm | <b>0</b>     | <1 | --- | --- |
| Molybdenum | ppm | <b>&lt;1</b> | 0  | --- | --- |
| Nickel     | ppm | <b>&lt;1</b> | <1 | --- | --- |
| Titanium   | ppm | <b>0</b>     | 0  | --- | --- |
| Silver     | ppm | <b>0</b>     | <1 | --- | --- |
| Manganese  | ppm | <b>&lt;1</b> | 2  | --- | --- |
| Vanadium   | ppm | <b>0</b>     | 0  | --- | --- |

## ADDITIVES

|            |     |              |      |     |     |
|------------|-----|--------------|------|-----|-----|
| Calcium    | ppm | <b>&lt;1</b> | 13   | --- | --- |
| Magnesium  | ppm | <b>1</b>     | 28   | --- | --- |
| Zinc       | ppm | <b>3</b>     | 8    | --- | --- |
| Phosphorus | ppm | <b>1305</b>  | 1350 | --- | --- |
| Barium     | ppm | <b>0</b>     | 0    | --- | --- |
| Boron      | ppm | <b>320</b>   | 293  | --- | --- |

## 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.

**Depot:** VP648685

**Unique No:** 10561610

**Signed:** Sean Felton

**Report Date:** 19 Jul 2023

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## GRAPHS

