

# OIL ANALYSIS REPORT

**VOLVO  
PENTA**

**NADINE URCIUOLI LAWRENCE VOLVO PENTA A474687 - INBOARD - CENTER GEARBOX**

**Sample No:** VPA041599

**Oil Type:** VOLVO

## SAMPLE INFORMATION

|               |             |     |     |     |
|---------------|-------------|-----|-----|-----|
| Sample Number | VPA041599   | --- | --- | --- |
| Sample Date   | 23 Jun 2023 | --- | --- | --- |
| Machine Hours | 213         | --- | --- | --- |
| Oil Hours     | 213         | --- | --- | --- |
| Oil Changed   | N/A         | --- | --- | --- |
| Sample Status | NORMAL      | --- | --- | --- |

### Helmut's Marine Service

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T: x:

F: x:

## OIL CONDITION

|             |     |        |     |     |     |
|-------------|-----|--------|-----|-----|-----|
| Visc @ 40°C | cSt | ■ 28.3 | --- | --- | --- |
|-------------|-----|--------|-----|-----|-----|

## CONTAMINATION

|           |     |     |     |     |     |
|-----------|-----|-----|-----|-----|-----|
| Silicon   | ppm | ■ 5 | --- | --- | --- |
| Sodium    | ppm | ■ 6 | --- | --- | --- |
| Potassium | ppm | ■ 0 | --- | --- | --- |

## 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         |     | ■ 25 | --- | --- | --- |
| Iron       | ppm | ■ 32 | --- | --- | --- |
| Copper     | ppm | ■ 12 | --- | --- | --- |
| Lead       | ppm | ■ 6  | --- | --- | --- |
| Tin        | ppm | ■ <1 | --- | --- | --- |
| Aluminum   | ppm | ■ <1 | --- | --- | --- |
| Chromium   | ppm | ■ <1 | --- | --- | --- |
| Molybdenum | ppm | <1   | --- | --- | --- |
| Nickel     | ppm | ■ <1 | --- | --- | --- |
| Titanium   | ppm | 0    | --- | --- | --- |
| Silver     | ppm | 0    | --- | --- | --- |
| Manganese  | ppm | <1   | --- | --- | --- |
| Vanadium   | ppm | 0    | --- | --- | --- |

## ADDITIVES

|            |     |     |     |     |     |
|------------|-----|-----|-----|-----|-----|
| Calcium    | ppm | 29  | --- | --- | --- |
| Magnesium  | ppm | 3   | --- | --- | --- |
| Zinc       | ppm | 5   | --- | --- | --- |
| Phosphorus | ppm | 168 | --- | --- | --- |
| Barium     | ppm | 0   | --- | --- | --- |
| Boron      | ppm | 76  | --- | --- | --- |

**Depot:** VP152741

**Unique No:** 10538554

**Signed:** Don Baldrige

**Report Date:** 04 Jul 2023

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## GRAPHS

