

# OIL ANALYSIS REPORT

# VOLVO PENTA

**RODERICK MACLEAN 7716054 VOLVO PENTA 51220256425 - INBOARD - CENTER GEARBOX**

**Sample No:** VPA055481

**Oil Type:** NOT GIVEN

## SAMPLE INFORMATION

|               |             |     |     |     |
|---------------|-------------|-----|-----|-----|
| Sample Number | VPA055481   | --- | --- | --- |
| Sample Date   | 07 Jun 2023 | --- | --- | --- |
| Machine Hours | 607         | --- | --- | --- |
| Oil Hours     | 0           | --- | --- | --- |
| Oil Changed   | N/A         | --- | --- | --- |
| Sample Status | ABNORMAL    | --- | --- | --- |

**Pacific Power Group - VP981534**  
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MarineService@pacificpowergroup.com  
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F:

## OIL CONDITION

|             |     |        |     |     |     |
|-------------|-----|--------|-----|-----|-----|
| Visc @ 40°C | cSt | █ 26.6 | --- | --- | --- |
|-------------|-----|--------|-----|-----|-----|

## CONTAMINATION

|           |     |     |     |     |     |
|-----------|-----|-----|-----|-----|-----|
| Silicon   | ppm | █ 6 | --- | --- | --- |
| Sodium    | ppm | █ 2 | --- | --- | --- |
| Potassium | ppm | █ 4 | --- | --- | --- |

## WEAR METALS

|            |     |       |     |     |     |
|------------|-----|-------|-----|-----|-----|
| PQ         |     | █ 28  | --- | --- | --- |
| Iron       | ppm | █ 55  | --- | --- | --- |
| Copper     | ppm | ▲ 48  | --- | --- | --- |
| Lead       | ppm | ▲ 444 | --- | --- | --- |
| Tin        | ppm | █ 2   | --- | --- | --- |
| Aluminum   | ppm | █ 4   | --- | --- | --- |
| Chromium   | ppm | █ <1  | --- | --- | --- |
| Molybdenum | ppm | 2     | --- | --- | --- |
| Nickel     | ppm | █ <1  | --- | --- | --- |
| Titanium   | ppm | <1    | --- | --- | --- |
| Silver     | ppm | 0     | --- | --- | --- |
| Manganese  | ppm | 3     | --- | --- | --- |
| Vanadium   | ppm | 0     | --- | --- | --- |

## ADDITIVES

|            |     |     |     |     |     |
|------------|-----|-----|-----|-----|-----|
| Calcium    | ppm | 35  | --- | --- | --- |
| Magnesium  | ppm | 42  | --- | --- | --- |
| Zinc       | ppm | 218 | --- | --- | --- |
| Phosphorus | ppm | 263 | --- | --- | --- |
| Barium     | ppm | 3   | --- | --- | --- |
| Boron      | ppm | 33  | --- | --- | --- |

## Diagnosis

No corrective action is recommended at this time. We recommend an early resample to monitor this condition. Clutch wear is indicated. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** VP99031103  
**Unique No:** 10535181  
**Signed:** Doug Bogart  
**Report Date:** 29 Jun 2023

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**VOLVO  
PENTA**

## GRAPHS

