

# OIL ANALYSIS REPORT

**VOLVO  
PENTA**

**BOB GUNTHER GB5408 TWIN DISC 2510692 - INBOARD - STARBOARD GEARBOX**

**Sample No:** VPA050514

**Oil Type:** SHELL ROTELLA T 40

## SAMPLE INFORMATION

|               |             |     |     |     |
|---------------|-------------|-----|-----|-----|
| Sample Number | VPA050514   | --- | --- | --- |
| Sample Date   | 21 Jun 2023 | --- | --- | --- |
| Machine Hours | 126         | --- | --- | --- |
| Oil Hours     | 126         | --- | --- | --- |
| Oil Changed   | N/A         | --- | --- | --- |
| Sample Status | NORMAL      | --- | --- | --- |

## GRAND BANKS

450 SW SALEM RD

STUART, FL

US 34994

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## OIL CONDITION

|             |     |      |     |     |     |
|-------------|-----|------|-----|-----|-----|
| Visc @ 40°C | cSt | 77.3 | --- | --- | --- |
|-------------|-----|------|-----|-----|-----|

## CONTAMINATION

|           |     |   |     |     |     |
|-----------|-----|---|-----|-----|-----|
| Silicon   | ppm | 4 | --- | --- | --- |
| Sodium    | ppm | 3 | --- | --- | --- |
| Potassium | ppm | 2 | --- | --- | --- |

## 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         |     | 19 | --- | --- | --- |
| Iron       | ppm | 30 | --- | --- | --- |
| Copper     | ppm | 79 | --- | --- | --- |
| Lead       | ppm | 23 | --- | --- | --- |
| Tin        | ppm | <1 | --- | --- | --- |
| Aluminum   | ppm | 5  | --- | --- | --- |
| Chromium   | ppm | 0  | --- | --- | --- |
| Molybdenum | ppm | 55 | --- | --- | --- |
| Nickel     | ppm | 0  | --- | --- | --- |
| Titanium   | ppm | <1 | --- | --- | --- |
| Silver     | ppm | 0  | --- | --- | --- |
| Manganese  | ppm | <1 | --- | --- | --- |
| Vanadium   | ppm | 0  | --- | --- | --- |

## ADDITIVES

|            |     |      |     |     |     |
|------------|-----|------|-----|-----|-----|
| Calcium    | ppm | 1811 | --- | --- | --- |
| Magnesium  | ppm | 36   | --- | --- | --- |
| Zinc       | ppm | 734  | --- | --- | --- |
| Phosphorus | ppm | 628  | --- | --- | --- |
| Barium     | ppm | 0    | --- | --- | --- |
| Boron      | ppm | 38   | --- | --- | --- |

**Depot:** VP531377

**Unique No:** 10536392

**Signed:** Don Baldrige

**Report Date:** 02 Jul 2023

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## GRAPHS

