

# OIL ANALYSIS REPORT

# VOLVO PENTA

## RICHARD OSTEEN VOLVO PENTA 50800437803 - INBOARD - PORT GEARBOX

Sample No: VPA045543

Oil Type: NOT GIVEN

### SAMPLE INFORMATION

|               |             |     |     |     |
|---------------|-------------|-----|-----|-----|
| Sample Number | VPA045543   | --- | --- | --- |
| Sample Date   | 01 Aug 2023 | --- | --- | --- |
| Machine Hours | 0           | --- | --- | --- |
| Oil Hours     | 0           | --- | --- | --- |
| Oil Changed   | Not Changd  | --- | --- | --- |
| Sample Status | ATTENTION   | --- | --- | --- |

### MELBOURNE MARINE DIESEL

MELBOURNE, FL

US

Contact: SERVICE MANAGER

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F:

### OIL CONDITION

|             |     |        |     |     |     |
|-------------|-----|--------|-----|-----|-----|
| Visc @ 40°C | cSt | ■ 27.0 | --- | --- | --- |
|-------------|-----|--------|-----|-----|-----|

### CONTAMINATION

|           |     |      |     |     |     |
|-----------|-----|------|-----|-----|-----|
| Silicon   | ppm | ■ 6  | --- | --- | --- |
| Sodium    | ppm | ■ 6  | --- | --- | --- |
| Potassium | ppm | ■ <1 | --- | --- | --- |

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. All other 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         |     | ■ 45 | --- | --- | --- |
| Iron       | ppm | ■ 62 | --- | --- | --- |
| Copper     | ppm | ▲ 80 | --- | --- | --- |
| Lead       | ppm | ■ 14 | --- | --- | --- |
| Tin        | ppm | ■ 1  | --- | --- | --- |
| Aluminum   | ppm | ■ 2  | --- | --- | --- |
| Chromium   | ppm | ■ <1 | --- | --- | --- |
| Molybdenum | ppm | 0    | --- | --- | --- |
| Nickel     | ppm | ■ 0  | --- | --- | --- |
| Titanium   | ppm | 0    | --- | --- | --- |
| Silver     | ppm | 0    | --- | --- | --- |
| Manganese  | ppm | <1   | --- | --- | --- |
| Vanadium   | ppm | 0    | --- | --- | --- |

### ADDITIVES

|            |     |     |     |     |     |
|------------|-----|-----|-----|-----|-----|
| Calcium    | ppm | 236 | --- | --- | --- |
| Magnesium  | ppm | 3   | --- | --- | --- |
| Zinc       | ppm | 13  | --- | --- | --- |
| Phosphorus | ppm | 610 | --- | --- | --- |
| Barium     | ppm | 8   | --- | --- | --- |
| Boron      | ppm | 303 | --- | --- | --- |

Depot: VP1222400

Unique No: 10586040

Signed: Don Baldrige

Report Date: 04 Aug 2023

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## GRAPHS

