

# [MATT SHAEFER [53968]] VOLVO PENTA 3940025708 - PORT IPS

**Sample No:** VPA047077

**Oil Type:** GEAR OIL SAE 75W90

## SAMPLE INFORMATION

|               |             |     |     |     |
|---------------|-------------|-----|-----|-----|
| Sample Number | VPA047077   | --- | --- | --- |
| Sample Date   | 24 Apr 2024 | --- | --- | --- |
| Machine Hours | 211         | --- | --- | --- |
| Oil Hours     | 70          | --- | --- | --- |
| Oil Changed   | Changed     | --- | --- | --- |
| Sample Status | NORMAL      | --- | --- | --- |

**Kozwel Boatworks, Inc.**

2601 S. Yale St.  
SANTA ANA, CA  
US 92704

Contact: KELLI W  
kelliw@kozwel.com

T:  
F:

## OIL CONDITION

|             |     |       |     |     |     |
|-------------|-----|-------|-----|-----|-----|
| Visc @ 40°C | cSt | █ 107 | --- | --- | --- |
|-------------|-----|-------|-----|-----|-----|

## CONTAMINATION

|           |     |      |     |     |     |
|-----------|-----|------|-----|-----|-----|
| Water     | %   | NEG  | --- | --- | --- |
| Silicon   | ppm | 15   | --- | --- | --- |
| Sodium    | ppm | █ 14 | --- | --- | --- |
| Potassium | ppm | █ 0  | --- | --- | --- |

## Diagnosis

No corrective action is recommended at this time. 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         |     | █ 20 | --- | --- | --- |
| Iron       | ppm | █ 77 | --- | --- | --- |
| Copper     | ppm | 10   | --- | --- | --- |
| Lead       | ppm | 0    | --- | --- | --- |
| Tin        | ppm | 0    | --- | --- | --- |
| Aluminum   | ppm | <1   | --- | --- | --- |
| Chromium   | ppm | █ <1 | --- | --- | --- |
| Molybdenum | ppm | █ <1 | --- | --- | --- |
| Nickel     | ppm | █ 0  | --- | --- | --- |
| Titanium   | ppm | 0    | --- | --- | --- |
| Silver     | ppm | 0    | --- | --- | --- |
| Manganese  | ppm | █ 3  | --- | --- | --- |
| Vanadium   | ppm | 0    | --- | --- | --- |

## ADDITIVES

|            |     |        |     |     |     |
|------------|-----|--------|-----|-----|-----|
| Calcium    | ppm | █ 31   | --- | --- | --- |
| Magnesium  | ppm | 33     | --- | --- | --- |
| Zinc       | ppm | █ 32   | --- | --- | --- |
| Phosphorus | ppm | █ 1374 | --- | --- | --- |
| Barium     | ppm | █ 0    | --- | --- | --- |
| Boron      | ppm | █ 322  | --- | --- | --- |

**Depot:** VP491768

**Unique No:** 11002863

**Signed:** Sean Felton

**Report Date:** 30 Apr 2024

Contact/Location: KELLI W - VP491768

# GRAPHS

