

OIL ANALYSIS REPORT

VOLVO PENTA

GREG RATLEDGE 44173 ZF 20267574 - INBOARD - CENTER GEARBOX

Sample No: VPA054283

Oil Type: SHELL ROTELLA T 30

SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-------------|-----|-----|
| Sample Number | VPA054283 | VPA048118 | --- | --- |
| Sample Date | 13 May 2024 | 17 Apr 2023 | --- | --- |
| Machine Hours | 587 | 564 | --- | --- |
| Oil Hours | 24 | 0 | --- | --- |
| Oil Changed | Changed | Changed | --- | --- |
| Sample Status | NORMAL | NORMAL | --- | --- |

OIL CONDITION

| | | | | | |
|-------------|-----|--------|-------|-----|-----|
| Visc @ 40°C | cSt | ■ 94.0 | ■ 100 | --- | --- |
|-------------|-----|--------|-------|-----|-----|

CONTAMINATION

| | | | | | |
|-----------|-----|-------|-----|-----|-----|
| Water | % | ■ NEG | NEG | --- | --- |
| Silicon | ppm | ■ 5 | ■ 2 | --- | --- |
| Sodium | ppm | ■ 3 | ■ 3 | --- | --- |
| Potassium | ppm | ■ 0 | ■ 0 | --- | --- |

WEAR METALS

| | | | | | |
|------------|-----|-------|-------|-----|-----|
| PQ | | ■ 16 | ■ 12 | --- | --- |
| Iron | ppm | ■ 15 | ■ 7 | --- | --- |
| Copper | ppm | ■ 49 | ■ 113 | --- | --- |
| Lead | ppm | ■ 0 | ■ 0 | --- | --- |
| Tin | ppm | ■ 0 | ■ 0 | --- | --- |
| Aluminum | ppm | ■ <1 | ■ 2 | --- | --- |
| Chromium | ppm | ■ 0 | ■ <1 | --- | --- |
| Molybdenum | ppm | ■ 112 | ■ 85 | --- | --- |
| Nickel | ppm | ■ 0 | ■ 0 | --- | --- |
| Titanium | ppm | ■ 0 | ■ 0 | --- | --- |
| Silver | ppm | ■ 0 | ■ <1 | --- | --- |
| Manganese | ppm | ■ 0 | ■ <1 | --- | --- |
| Vanadium | ppm | ■ 0 | ■ 0 | --- | --- |

ADDITIVES

| | | | | | |
|------------|-----|--------|--------|-----|-----|
| Calcium | ppm | ■ 2651 | ■ 2030 | --- | --- |
| Magnesium | ppm | ■ 62 | ■ 206 | --- | --- |
| Zinc | ppm | ■ 1138 | ■ 875 | --- | --- |
| Phosphorus | ppm | ■ 1119 | ■ 796 | --- | --- |
| Barium | ppm | ■ 0 | ■ 0 | --- | --- |
| Boron | ppm | ■ 23 | ■ 24 | --- | --- |

COASTAL CAROLINA YACHT SALES

145 LOCKWOOD BLVD

CHARLESTON, SC

US 29403

Contact: STEVE VASAS

steve@ccyachtsales.com

T:

F:

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.

Depot: VP568144

Unique No: 11043285

Signed: Don Baldrige

Report Date: 23 May 2024

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GRAPHS

