

OIL ANALYSIS REPORT

**VOLVO
PENTA**

ZF 50024886 - INBOARD - PORT GEARBOX

Sample No: VPA044293

Oil Type: SHELL ROTELLA T 30

SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VPA044293 | --- | --- | --- |
| Sample Date | 31 Aug 2023 | --- | --- | --- |
| Machine Hours | 299 | --- | --- | --- |
| Oil Hours | 0 | --- | --- | --- |
| Oil Changed | Not Changd | --- | --- | --- |
| Sample Status | NORMAL | --- | --- | --- |

OIL CONDITION

| | | | | | |
|-------------|-----|-------|-----|-----|-----|
| Visc @ 40°C | cSt | █ 103 | --- | --- | --- |
|-------------|-----|-------|-----|-----|-----|

CONTAMINATION

| | | | | | |
|-----------|-----|------|-----|-----|-----|
| Silicon | ppm | █ 4 | --- | --- | --- |
| Sodium | ppm | █ 9 | --- | --- | --- |
| Potassium | ppm | █ <1 | --- | --- | --- |

WEAR METALS

| | | | | | |
|------------|-----|------|-----|-----|-----|
| PQ | | █ 19 | --- | --- | --- |
| Iron | ppm | █ 22 | --- | --- | --- |
| Copper | ppm | █ 38 | --- | --- | --- |
| Lead | ppm | █ 4 | --- | --- | --- |
| Tin | ppm | █ 1 | --- | --- | --- |
| Aluminum | ppm | █ 2 | --- | --- | --- |
| Chromium | ppm | █ <1 | --- | --- | --- |
| Molybdenum | ppm | █ 97 | --- | --- | --- |
| Nickel | ppm | █ 0 | --- | --- | --- |
| Titanium | ppm | <1 | --- | --- | --- |
| Silver | ppm | 0 | --- | --- | --- |
| Manganese | ppm | █ <1 | --- | --- | --- |
| Vanadium | ppm | <1 | --- | --- | --- |

ADDITIVES

| | | | | | |
|------------|-----|--------|-----|-----|-----|
| Calcium | ppm | █ 2251 | --- | --- | --- |
| Magnesium | ppm | █ 187 | --- | --- | --- |
| Zinc | ppm | █ 1046 | --- | --- | --- |
| Phosphorus | ppm | █ 924 | --- | --- | --- |
| Barium | ppm | █ 0 | --- | --- | --- |
| Boron | ppm | █ 11 | --- | --- | --- |

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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.

Depot: VPSMAPLA
Unique No: 10632167
Signed: Doug Bogart
Report Date: 05 Sep 2023

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GRAPHS

