

OIL ANALYSIS REPORT

**VOLVO
PENTA**

AL CUNNINGHAM 6388 VOLVO PENTA MS3C KGMS3C2 149 - INBOARD - STARBOARD GEARBOX

Sample No: VPA060571

Oil Type: NOT GIVEN

SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VPA060571 | --- | --- | --- |
| Sample Date | 03 Nov 2023 | --- | --- | --- |
| Machine Hours | 3279 | --- | --- | --- |
| Oil Hours | 0 | --- | --- | --- |
| Oil Changed | Not Changd | --- | --- | --- |
| Sample Status | ATTENTION | --- | --- | --- |

OIL CONDITION

| | | | | | |
|-------------|-----|--------|-----|-----|-----|
| Visc @ 40°C | cSt | ■ 89.2 | --- | --- | --- |
|-------------|-----|--------|-----|-----|-----|

CONTAMINATION

| | | | | | |
|-----------|-----|------|-----|-----|-----|
| Silicon | ppm | ■ 13 | --- | --- | --- |
| Sodium | ppm | ■ 6 | --- | --- | --- |
| Potassium | ppm | ■ 0 | --- | --- | --- |

WEAR METALS

| | | | | | |
|------------|-----|-------|-----|-----|-----|
| PQ | | ■ 64 | --- | --- | --- |
| Iron | ppm | ▲ 179 | --- | --- | --- |
| Copper | ppm | ■ 63 | --- | --- | --- |
| Lead | ppm | ■ 2 | --- | --- | --- |
| Tin | ppm | ■ <1 | --- | --- | --- |
| Aluminum | ppm | ■ 5 | --- | --- | --- |
| Chromium | ppm | ■ 2 | --- | --- | --- |
| Molybdenum | ppm | 42 | --- | --- | --- |
| Nickel | ppm | ■ 1 | --- | --- | --- |
| Titanium | ppm | <1 | --- | --- | --- |
| Silver | ppm | 0 | --- | --- | --- |
| Manganese | ppm | 4 | --- | --- | --- |
| Vanadium | ppm | 0 | --- | --- | --- |

ADDITIVES

| | | | | | |
|------------|-----|------|-----|-----|-----|
| Calcium | ppm | 3386 | --- | --- | --- |
| Magnesium | ppm | 33 | --- | --- | --- |
| Zinc | ppm | 1180 | --- | --- | --- |
| Phosphorus | ppm | 945 | --- | --- | --- |
| Barium | ppm | 0 | --- | --- | --- |
| Boron | ppm | 507 | --- | --- | --- |

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Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Gear wear is indicated. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: VP759009
Unique No: 10729518
Signed: Jonathan Hester
Report Date: 09 Nov 2023

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GRAPHS

