

OIL ANALYSIS REPORT

**VOLVO
PENTA**

VOLVO PENTA NOT GIVEN VPA048649 - INBOARD GEARBOX

Sample No: VPA048649

Oil Type: ATF

SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VPA048649 | --- | --- | --- |
| Sample Date | 19 Oct 2023 | --- | --- | --- |
| Machine Hours | 3885 | --- | --- | --- |
| Oil Hours | 0 | --- | --- | --- |
| Oil Changed | N/A | --- | --- | --- |
| Sample Status | SEVERE | --- | --- | --- |

OIL CONDITION

| | | | | | |
|-------------|-----|-------|-----|-----|-----|
| Visc @ 40°C | cSt | ▲ 136 | --- | --- | --- |
|-------------|-----|-------|-----|-----|-----|

CONTAMINATION

| | | | | | |
|-----------|-----|------|-----|-----|-----|
| Silicon | ppm | ■ 16 | --- | --- | --- |
| Sodium | ppm | ■ 17 | --- | --- | --- |
| Potassium | ppm | ■ 11 | --- | --- | --- |

WEAR METALS

| | | | | | |
|------------|-----|-------|-----|-----|-----|
| PQ | | ▲ 148 | --- | --- | --- |
| Iron | ppm | ● 626 | --- | --- | --- |
| Copper | ppm | ● 173 | --- | --- | --- |
| Lead | ppm | ■ 6 | --- | --- | --- |
| Tin | ppm | ■ 6 | --- | --- | --- |
| Aluminum | ppm | ▲ 8 | --- | --- | --- |
| Chromium | ppm | ■ 10 | --- | --- | --- |
| Molybdenum | ppm | ■ 0 | --- | --- | --- |
| Nickel | ppm | ● 55 | --- | --- | --- |
| Titanium | ppm | 3 | --- | --- | --- |
| Silver | ppm | 3 | --- | --- | --- |
| Manganese | ppm | ■ 7 | --- | --- | --- |
| Vanadium | ppm | 0 | --- | --- | --- |

ADDITIVES

| | | | | | |
|------------|-----|--------|-----|-----|-----|
| Calcium | ppm | ■ 38 | --- | --- | --- |
| Magnesium | ppm | ■ 22 | --- | --- | --- |
| Zinc | ppm | ■ 240 | --- | --- | --- |
| Phosphorus | ppm | ▲ 1284 | --- | --- | --- |
| Barium | ppm | ▲ 18 | --- | --- | --- |
| Boron | ppm | ▲ 187 | --- | --- | --- |

SUNCOAST DIESEL MARINE

6341 PORTER ROAD, SUITE 6
SARASOTA, FL
US 34240
Contact: SERVICE MANAGER
info@suncoastdmi.com
T: (941)342-0033
F:

Diagnosis

We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Gear wear is indicated. Moderate concentration of visible metal present. There is no indication of any contamination in the oil. The oil viscosity is higher than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

Depot: VP705283
Unique No: 10708532
Signed: Doug Bogart
Report Date: 24 Oct 2023

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GRAPHS

