

OIL ANALYSIS REPORT

**VOLVO
PENTA**

ABRESSCIA 550-44 ZF OM959803 - ZEUS POD (S/N OM959803) - PORT GEARBOX

Sample No: VPA059881

Oil Type: NOT GIVEN

SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VPA059881 | --- | --- | --- |
| Sample Date | 26 Oct 2023 | --- | --- | --- |
| Machine Hours | 0 | --- | --- | --- |
| Oil Hours | 0 | --- | --- | --- |
| Oil Changed | N/A | --- | --- | --- |
| Sample Status | SEVERE | --- | --- | --- |

Outstanding Marine

PO Box 274
GALENA, MD
US 21635
Contact: Ronda Bolinger
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T:
F:

OIL CONDITION

| | | | | | |
|-------------|-----|-------|-----|-----|-----|
| Visc @ 40°C | cSt | ■ 220 | --- | --- | --- |
|-------------|-----|-------|-----|-----|-----|

CONTAMINATION

| | | | | | |
|-----------|-----|--------|-----|-----|-----|
| Water | % | ● 8.38 | --- | --- | --- |
| Silicon | ppm | ■ 11 | --- | --- | --- |
| Sodium | ppm | ▲ 211 | --- | --- | --- |
| Potassium | ppm | ■ 13 | --- | --- | --- |

WEAR METALS

| | | | | | |
|------------|-----|-------|-----|-----|-----|
| PQ | | ■ 20 | --- | --- | --- |
| Iron | ppm | ▲ 970 | --- | --- | --- |
| Copper | ppm | ■ 100 | --- | --- | --- |
| Lead | ppm | ■ 2 | --- | --- | --- |
| Tin | ppm | ■ <1 | --- | --- | --- |
| Aluminum | ppm | ■ 10 | --- | --- | --- |
| Chromium | ppm | ▲ 10 | --- | --- | --- |
| Molybdenum | ppm | 42 | --- | --- | --- |
| Nickel | ppm | ■ 6 | --- | --- | --- |
| Titanium | ppm | <1 | --- | --- | --- |
| Silver | ppm | 0 | --- | --- | --- |
| Manganese | ppm | 15 | --- | --- | --- |
| Vanadium | ppm | <1 | --- | --- | --- |

ADDITIVES

| | | | | | |
|------------|-----|-----|-----|-----|-----|
| Calcium | ppm | 158 | --- | --- | --- |
| Magnesium | ppm | 30 | --- | --- | --- |
| Zinc | ppm | 91 | --- | --- | --- |
| Phosphorus | ppm | 648 | --- | --- | --- |
| Barium | ppm | 0 | --- | --- | --- |
| Boron | ppm | 17 | --- | --- | --- |

Diagnosis

We advise that you check for the source of water entry. Check seals and/or filters for points of contaminant entry. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample. Chromium and iron ppm levels are abnormal. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion. Sodium levels are high. There is a high concentration of water present in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: VP153685
Unique No: 10764261
Signed: Angela Borella
Report Date: 01 Dec 2023

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GRAPHS

