

OIL ANALYSIS REPORT

VOLVO PENTA

VOLVO PENTA 3200001036 - IPS

Sample No: VPA048748

Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VPA048748 | --- | --- | --- |
| Sample Date | 19 Nov 2023 | --- | --- | --- |
| Machine Hours | 350 | --- | --- | --- |
| Oil Hours | 80 | --- | --- | --- |
| Oil Changed | Not Changd | --- | --- | --- |
| Sample Status | NORMAL | --- | --- | --- |

Viking Boat Harbor Inc

1121 S. Islington Rd.

CEDARVILLE, MI

US 49719

Contact: Steve Honnila

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OIL CONDITION

| | | | | | |
|-------------|-----|-------|-----|-----|-----|
| Visc @ 40°C | cSt | █ 106 | --- | --- | --- |
|-------------|-----|-------|-----|-----|-----|

CONTAMINATION

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

WEAR METALS

| | | | | | |
|------------|-----|------|-----|-----|-----|
| PQ | | █ 14 | --- | --- | --- |
| Iron | ppm | █ 62 | --- | --- | --- |
| Copper | ppm | 8 | --- | --- | --- |
| Lead | ppm | 0 | --- | --- | --- |
| Tin | ppm | 0 | --- | --- | --- |
| Aluminum | ppm | 1 | --- | --- | --- |
| Chromium | ppm | █ <1 | --- | --- | --- |
| Molybdenum | ppm | █ <1 | --- | --- | --- |
| Nickel | ppm | █ 1 | --- | --- | --- |
| Titanium | ppm | <1 | --- | --- | --- |
| Silver | ppm | 0 | --- | --- | --- |
| Manganese | ppm | █ 2 | --- | --- | --- |
| Vanadium | ppm | 0 | --- | --- | --- |

ADDITIVES

| | | | | | |
|------------|-----|--------|-----|-----|-----|
| Calcium | ppm | █ 9 | --- | --- | --- |
| Magnesium | ppm | █ 25 | --- | --- | --- |
| Zinc | ppm | █ 6 | --- | --- | --- |
| Phosphorus | ppm | █ 1284 | --- | --- | --- |
| Barium | ppm | █ 0 | --- | --- | --- |
| Boron | ppm | █ 339 | --- | --- | --- |

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: VP155388

Unique No: 10751865

Signed: Jonathan Hester

Report Date: 22 Nov 2023

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GRAPHS

