

OIL ANALYSIS REPORT

VOLVO PENTA

AUTO WORLD 354004 ZF 20133358 - INBOARD - PORT GEARBOX

Sample No: VPA055559

Oil Type: SAE 30W

SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VPA055559 | --- | --- | --- |
| Sample Date | 30 Jan 2024 | --- | --- | --- |
| Machine Hours | 774 | --- | --- | --- |
| Oil Hours | 64 | --- | --- | --- |
| Oil Changed | Changed | --- | --- | --- |
| Sample Status | NORMAL | --- | --- | --- |

Skipper Marine of Ohio, LLC

6801 E. Harbor Rd.

MARBLEHEAD, OH

US 43440

Contact: D LAKE

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T:

F:

OIL CONDITION

| | | | | | |
|-------------|-----|--------|-----|-----|-----|
| Visc @ 40°C | cSt | ■ 92.9 | --- | --- | --- |
|-------------|-----|--------|-----|-----|-----|

CONTAMINATION

| | | | | | |
|-----------|-----|-------|-----|-----|-----|
| Water | % | ■ NEG | --- | --- | --- |
| Silicon | ppm | ■ 6 | --- | --- | --- |
| Sodium | ppm | ■ 0 | --- | --- | --- |
| Potassium | ppm | ■ 1 | --- | --- | --- |

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.

WEAR METALS

| | | | | | |
|------------|-----|------|-----|-----|-----|
| PQ | | ■ 12 | --- | --- | --- |
| Iron | ppm | ■ 8 | --- | --- | --- |
| Copper | ppm | ■ 6 | --- | --- | --- |
| Lead | ppm | ■ <1 | --- | --- | --- |
| Tin | ppm | ■ <1 | --- | --- | --- |
| Aluminum | ppm | ■ <1 | --- | --- | --- |
| Chromium | ppm | ■ <1 | --- | --- | --- |
| Molybdenum | ppm | ■ 42 | --- | --- | --- |
| Nickel | ppm | ■ <1 | --- | --- | --- |
| Titanium | ppm | ■ <1 | --- | --- | --- |
| Silver | ppm | ■ 0 | --- | --- | --- |
| Manganese | ppm | ■ <1 | --- | --- | --- |
| Vanadium | ppm | ■ 0 | --- | --- | --- |

ADDITIVES

| | | | | | |
|------------|-----|--------|-----|-----|-----|
| Calcium | ppm | ■ 1441 | --- | --- | --- |
| Magnesium | ppm | ■ 665 | --- | --- | --- |
| Zinc | ppm | ■ 1084 | --- | --- | --- |
| Phosphorus | ppm | ■ 868 | --- | --- | --- |
| Barium | ppm | ■ 0 | --- | --- | --- |
| Boron | ppm | ■ 28 | --- | --- | --- |

Depot: VP494046

Unique No: 10860675

Signed: Don Baldrige

Report Date: 05 Feb 2024

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GRAPHS

