

OIL ANALYSIS REPORT

VOLVO PENTA

11125 ZF 20043073 - ZF TRANS - STARBOARD GEARBOX

Sample No: VPA055417

Oil Type: SAE 30W

SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VPA055417 | --- | --- | --- |
| Sample Date | 01 Aug 2023 | --- | --- | --- |
| Machine Hours | 840 | --- | --- | --- |
| Oil Hours | 0 | --- | --- | --- |
| Oil Changed | Not Changd | --- | --- | --- |
| Sample Status | NORMAL | --- | --- | --- |

BAY MARINE

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US 60085

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OIL CONDITION

| | | | | | |
|-------------|-----|--------|-----|-----|-----|
| Visc @ 40°C | cSt | ■ 85.3 | --- | --- | --- |
|-------------|-----|--------|-----|-----|-----|

CONTAMINATION

| | | | | | |
|-----------|-----|------|-----|-----|-----|
| Silicon | ppm | ■ 5 | --- | --- | --- |
| Sodium | ppm | ■ 84 | --- | --- | --- |
| 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 | | ■ 21 | --- | --- | --- |
| Iron | ppm | ■ 35 | --- | --- | --- |
| Copper | ppm | ■ 147 | --- | --- | --- |
| Lead | ppm | ■ 18 | --- | --- | --- |
| Tin | ppm | ■ <1 | --- | --- | --- |
| Aluminum | ppm | ■ 10 | --- | --- | --- |
| Chromium | ppm | ■ <1 | --- | --- | --- |
| Molybdenum | ppm | ■ 3 | --- | --- | --- |
| Nickel | ppm | ■ <1 | --- | --- | --- |
| Titanium | ppm | ■ 0 | --- | --- | --- |
| Silver | ppm | ■ 1 | --- | --- | --- |
| Manganese | ppm | ■ <1 | --- | --- | --- |
| Vanadium | ppm | ■ 0 | --- | --- | --- |

ADDITIVES

| | | | | | |
|------------|-----|--------|-----|-----|-----|
| Calcium | ppm | ■ 517 | --- | --- | --- |
| Magnesium | ppm | ■ 1145 | --- | --- | --- |
| Zinc | ppm | ■ 1255 | --- | --- | --- |
| Phosphorus | ppm | ■ 1134 | --- | --- | --- |
| Barium | ppm | ■ 0 | --- | --- | --- |
| Boron | ppm | ■ 4 | --- | --- | --- |

Depot: VP1174336

Unique No: 10588281

Signed: Don Baldrige

Report Date: 07 Aug 2023

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GRAPHS

