

OIL ANALYSIS REPORT

VOLVO PENTA

MARK AND SUE RINGHAM MSR ZF 20353711 - INBOARD - PORT GEARBOX

Sample No: VPA059436

Oil Type: SAE 30W

SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VPA059436 | --- | --- | --- |
| Sample Date | 15 Nov 2023 | --- | --- | --- |
| Machine Hours | 770 | --- | --- | --- |
| Oil Hours | 720 | --- | --- | --- |
| Oil Changed | Changed | --- | --- | --- |
| Sample Status | NORMAL | --- | --- | --- |

OIL CONDITION

| | | | | | |
|-------------|-----|--------|-----|-----|-----|
| Visc @ 40°C | cSt | ■ 80.2 | --- | --- | --- |
|-------------|-----|--------|-----|-----|-----|

CONTAMINATION

| | | | | | |
|-----------|-----|------|-----|-----|-----|
| Water | % | NEG | --- | --- | --- |
| Silicon | ppm | ■ 5 | --- | --- | --- |
| Sodium | ppm | ■ <1 | --- | --- | --- |
| Potassium | ppm | ■ 2 | --- | --- | --- |

WEAR METALS

| | | | | | |
|------------|-----|------|-----|-----|-----|
| PQ | | ■ 18 | --- | --- | --- |
| Iron | ppm | ■ 13 | --- | --- | --- |
| Copper | ppm | ■ 80 | --- | --- | --- |
| Lead | ppm | ■ 5 | --- | --- | --- |
| Tin | ppm | ■ 2 | --- | --- | --- |
| Aluminum | ppm | ■ 4 | --- | --- | --- |
| Chromium | ppm | ■ 0 | --- | --- | --- |
| Molybdenum | ppm | ■ 93 | --- | --- | --- |
| Nickel | ppm | ■ <1 | --- | --- | --- |
| Titanium | ppm | ■ 0 | --- | --- | --- |
| Silver | ppm | 0 | --- | --- | --- |
| Manganese | ppm | ■ <1 | --- | --- | --- |
| Vanadium | ppm | 0 | --- | --- | --- |

ADDITIVES

| | | | | | |
|------------|-----|--------|-----|-----|-----|
| Calcium | ppm | ■ 2323 | --- | --- | --- |
| Magnesium | ppm | ■ 122 | --- | --- | --- |
| Zinc | ppm | ■ 1146 | --- | --- | --- |
| Phosphorus | ppm | ■ 1000 | --- | --- | --- |
| Barium | ppm | ■ 0 | --- | --- | --- |
| Boron | ppm | ■ 8 | --- | --- | --- |

ALL SYSTEMS MARINE

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US 32505
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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: VP99220003
Unique No: 10763663
Signed: Don Baldrige
Report Date: 30 Nov 2023

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GRAPHS

