



CONSTRUCTION EQUIPMENT

SPM567503 SCORIA HITACHI ZW250-6 ZW2506-005232 - FRONT DIFFERENTIAL



Sample No: VCP369260
Oil Type: TDTO FLUID SAE 30
Job No: SPM567503 SCORIA



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-------------|-----|-----|
| Sample Number | VCP369260 | VCP404884 | --- | --- |
| Sample Date | 20 Jun 2023 | 28 Mar 2023 | --- | --- |
| Machine Hours | 4504 | 3973 | --- | --- |
| Oil Hours | 0 | 0 | --- | --- |
| Oil Changed | Not Changed | Changed | --- | --- |
| Sample Status | NORMAL | NORMAL | --- | --- |

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OIL CONDITION

| | | | | | |
|-------------|-----|-------|-------|-----|-----|
| Visc @ 40°C | cSt | █ 136 | █ 135 | --- | --- |
|-------------|-----|-------|-------|-----|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|-----|-----|-----|-----|
| Silicon | ppm | █ 8 | █ 8 | --- | --- |
| Sodium | ppm | █ 2 | █ 3 | --- | --- |
| Potassium | ppm | █ 0 | █ 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

| | | | | | |
|------------|-----|-------|-------|-----|-----|
| Iron | ppm | █ 173 | █ 167 | --- | --- |
| Copper | ppm | █ 2 | █ 3 | --- | --- |
| Lead | ppm | █ <1 | █ 0 | --- | --- |
| Tin | ppm | █ <1 | █ 0 | --- | --- |
| Aluminum | ppm | █ <1 | █ <1 | --- | --- |
| Chromium | ppm | █ 2 | █ 2 | --- | --- |
| Molybdenum | ppm | █ <1 | █ <1 | --- | --- |
| Nickel | ppm | █ 0 | █ 0 | --- | --- |
| Titanium | ppm | <1 | <1 | --- | --- |
| Silver | ppm | 0 | 0 | --- | --- |
| Manganese | ppm | █ 3 | █ 3 | --- | --- |
| Vanadium | ppm | 0 | 0 | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|--------|--------|-----|-----|
| Calcium | ppm | █ 3354 | █ 3446 | --- | --- |
| Magnesium | ppm | █ 19 | █ 16 | --- | --- |
| Zinc | ppm | █ 1368 | █ 1386 | --- | --- |
| Phosphorus | ppm | █ 1353 | █ 1372 | --- | --- |
| Barium | ppm | █ 2 | █ 2 | --- | --- |
| Boron | ppm | █ 0 | █ <1 | --- | --- |

Depot: VOLVO8885
Unique No: 10548909
Signed: Don Baldrige
Report Date: 11 Jul 2023



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GRAPHS

