



CONSTRUCTION EQUIPMENT

SWA374776 HITACHI ZW550-6 005203 - TRANSMISSION (MANUAL)



Sample No: VCP441865
Oil Type: TDTO FLUID SAE 10W
Job No: SWA374776



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-------------|-----|-----|
| Sample Number | VCP441865 | VCP373912 | --- | --- |
| Sample Date | 28 Sep 2023 | 03 Aug 2022 | --- | --- |
| Machine Hours | 7035 | 6406 | --- | --- |
| Oil Hours | 0 | 0 | --- | --- |
| Oil Changed | Not Chngd | Changed | --- | --- |
| Sample Status | NORMAL | NORMAL | --- | --- |

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OIL CONDITION

| | | | | | |
|-------------|-----|--------|------|-----|-----|
| Visc @ 40°C | cSt | █ 40.3 | 41.1 | --- | --- |
|-------------|-----|--------|------|-----|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|------|------|-----|-----|
| Silicon | ppm | █ 12 | █ 12 | --- | --- |
| Sodium | ppm | █ 4 | █ 2 | --- | --- |
| Potassium | ppm | █ 0 | █ 3 | --- | --- |



WEAR METALS

| | | | | | |
|------------|-----|------|------|-----|-----|
| Iron | ppm | █ 61 | █ 76 | --- | --- |
| Copper | ppm | █ 68 | █ 97 | --- | --- |
| Lead | ppm | █ 4 | █ 5 | --- | --- |
| Tin | ppm | █ 1 | █ 2 | --- | --- |
| Aluminum | ppm | █ 2 | █ 3 | --- | --- |
| Chromium | ppm | █ <1 | █ <1 | --- | --- |
| Molybdenum | ppm | █ <1 | █ 3 | --- | --- |
| Nickel | ppm | █ 0 | 0 | --- | --- |
| Titanium | ppm | 0 | <1 | --- | --- |
| Silver | ppm | █ 0 | <1 | --- | --- |
| Manganese | ppm | █ 1 | █ 1 | --- | --- |
| Vanadium | ppm | 0 | 0 | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|--------|--------|-----|-----|
| Calcium | ppm | █ 2775 | █ 2925 | --- | --- |
| Magnesium | ppm | █ 41 | █ 47 | --- | --- |
| Zinc | ppm | █ 1085 | █ 1235 | --- | --- |
| Phosphorus | ppm | █ 905 | █ 1015 | --- | --- |
| Barium | ppm | █ 0 | █ 4 | --- | --- |
| Boron | ppm | █ 3 | █ 6 | --- | --- |

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.

Depot: VOLVO8885
Unique No: 10673287
Signed: Don Baldrige
Report Date: 04 Oct 2023



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GRAPHS

