



# CONSTRUCTION EQUIPMENT

## SESI TAKEUCHI TL10 201002971 - REAR RIGHT FINAL DRIVE



**Sample No:** VCP388449  
**Oil Type:** NOT GIVEN  
**Job No:** SESI



### SAMPLE INFORMATION

|               |             |     |     |     |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP388449   | --- | --- | --- |
| Sample Date   | 16 Dec 2022 | --- | --- | --- |
| Machine Hours | 2940        | --- | --- | --- |
| Oil Hours     | 0           | --- | --- | --- |
| Oil Changed   | N/A         | --- | --- | --- |
| Sample Status | SEVERE      | --- | --- | --- |

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### OIL CONDITION

|             |     |       |     |     |     |
|-------------|-----|-------|-----|-----|-----|
| Visc @ 40°C | cSt | ▲ 433 | --- | --- | --- |
|-------------|-----|-------|-----|-----|-----|



### CONTAMINATION

|           |     |        |     |     |     |
|-----------|-----|--------|-----|-----|-----|
| Silicon   | ppm | ● 3198 | --- | --- | --- |
| Sodium    | ppm | ■ 111  | --- | --- | --- |
| Potassium | ppm | ■ 155  | --- | --- | --- |

### Diagnosis

We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The oil is no longer serviceable due to the presence of contaminants.



### WEAR METALS

|            |     |        |     |     |     |
|------------|-----|--------|-----|-----|-----|
| Iron       | ppm | ● 9640 | --- | --- | --- |
| Copper     | ppm | ■ 21   | --- | --- | --- |
| Lead       | ppm | ■ 3    | --- | --- | --- |
| Tin        | ppm | ■ 2    | --- | --- | --- |
| Aluminum   | ppm | ▲ 755  | --- | --- | --- |
| Chromium   | ppm | ● 107  | --- | --- | --- |
| Molybdenum | ppm | 11     | --- | --- | --- |
| Nickel     | ppm | ● 30   | --- | --- | --- |
| Titanium   | ppm | ▲ 30   | --- | --- | --- |
| Silver     | ppm | 0      | --- | --- | --- |
| Manganese  | ppm | 81     | --- | --- | --- |
| Vanadium   | ppm | 2      | --- | --- | --- |



### ADDITIVES

|            |     |     |     |     |     |
|------------|-----|-----|-----|-----|-----|
| Calcium    | ppm | 135 | --- | --- | --- |
| Magnesium  | ppm | 71  | --- | --- | --- |
| Zinc       | ppm | 55  | --- | --- | --- |
| Phosphorus | ppm | 221 | --- | --- | --- |
| Barium     | ppm | 0   | --- | --- | --- |
| Boron      | ppm | 5   | --- | --- | --- |

**Depot:** VOLVO8529  
**Unique No:** 10272386  
**Signed:** Doug Bogart  
**Report Date:** 30 Dec 2022



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## GRAPHS

