



# CONSTRUCTION EQUIPMENT

## 2686-1 TAKEUCHI TB2150R 514800698 - DIESEL ENGINE



**Sample No:** VCP441053  
**Oil Type:** DIESEL ENGINE OIL SAE 15W40  
**Job No:** 2686-1



### SAMPLE INFORMATION

|               |             |     |     |     |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP441053   | --- | --- | --- |
| Sample Date   | 19 Dec 2023 | --- | --- | --- |
| Machine Hours | 262         | --- | --- | --- |
| Oil Hours     | 262         | --- | --- | --- |
| Oil Changed   | Changed     | --- | --- | --- |
| Sample Status | NORMAL      | --- | --- | --- |

**MCCLUNG-LOGAN EQUIPMENT CO - WISE**  
 PO BOX 1158  
 WISE, VA  
 US 24293  
 Contact: MARTY DAVIS  
 MDDAVIS@MCCLUNG-LOGAN.COM  
 T:  
 F:



### OIL CONDITION

|                  |          |        |     |     |     |
|------------------|----------|--------|-----|-----|-----|
| Visc @ 100°C     | cSt      | █ 13.4 | --- | --- | --- |
| Base Number (BN) | mg KOH/g | █ 10.2 | --- | --- | --- |
| Oxidation (PA)   | %        | 69     | --- | --- | --- |

### Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a components first oil change. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



### CONTAMINATION

|                |     |       |     |     |     |
|----------------|-----|-------|-----|-----|-----|
| Water          | %   | NEG   | --- | --- | --- |
| Soot %         | %   | █ 0.1 | --- | --- | --- |
| Nitration (PA) | %   | 66    | --- | --- | --- |
| Sulfation (PA) | %   | 58    | --- | --- | --- |
| Glycol         | %   | NEG   | --- | --- | --- |
| Fuel           | %   | <1.0  | --- | --- | --- |
| Silicon        | ppm | █ 13  | --- | --- | --- |
| Sodium         | ppm | █ 2   | --- | --- | --- |
| Potassium      | ppm | █ 3   | --- | --- | --- |



### WEAR METALS

|            |     |      |     |     |     |
|------------|-----|------|-----|-----|-----|
| Iron       | ppm | █ 17 | --- | --- | --- |
| Copper     | ppm | █ 8  | --- | --- | --- |
| Lead       | ppm | █ <1 | --- | --- | --- |
| Tin        | ppm | █ <1 | --- | --- | --- |
| Aluminum   | ppm | █ 2  | --- | --- | --- |
| Chromium   | ppm | █ <1 | --- | --- | --- |
| Molybdenum | ppm | █ 2  | --- | --- | --- |
| Nickel     | ppm | █ 0  | --- | --- | --- |
| Titanium   | ppm | █ 0  | --- | --- | --- |
| Silver     | ppm | █ 0  | --- | --- | --- |
| Manganese  | ppm | █ 2  | --- | --- | --- |
| Vanadium   | ppm | 0    | --- | --- | --- |



### ADDITIVES

|            |     |        |     |     |     |
|------------|-----|--------|-----|-----|-----|
| Calcium    | ppm | █ 2163 | --- | --- | --- |
| Magnesium  | ppm | █ 133  | --- | --- | --- |
| Zinc       | ppm | █ 847  | --- | --- | --- |
| Phosphorus | ppm | █ 775  | --- | --- | --- |
| Barium     | ppm | █ 0    | --- | --- | --- |
| Boron      | ppm | █ 9    | --- | --- | --- |

**Depot:** VOLVO8881  
**Unique No:** 10806390  
**Signed:** Wes Davis  
**Report Date:** 27 Dec 2023



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## GRAPHS

