



# CONSTRUCTION EQUIPMENT

## 298 JOHN DEERE 390551 - FRONT RIGHT FINAL DRIVE



**Sample No:** VCP426347  
**Oil Type:** SHELL TELLUS S2 MX 46  
**Job No:** 298



### SAMPLE INFORMATION

|               |             |     |     |     |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP426347   | --- | --- | --- |
| Sample Date   | 06 Oct 2023 | --- | --- | --- |
| Machine Hours | 4162        | --- | --- | --- |
| Oil Hours     | 1000        | --- | --- | --- |
| Oil Changed   | Changed     | --- | --- | --- |
| Sample Status | NORMAL      | --- | --- | --- |

**TOTAL DEVELOPMENT SOLUTIONS LLC**  
 7805 PROGRESS CT  
 GAINESVILLE, VA  
 US 20155  
 Contact: JOE SEALE  
 jseale@totaldevelopmentsolutions.com  
 T: (703)222-0497  
 F: (703)753-4586



### OIL CONDITION

|             |     |        |     |     |     |
|-------------|-----|--------|-----|-----|-----|
| Visc @ 40°C | cSt | █ 53.3 | --- | --- | --- |
|-------------|-----|--------|-----|-----|-----|



### CONTAMINATION

|           |     |      |     |     |     |
|-----------|-----|------|-----|-----|-----|
| Water     | %   | NEG  | --- | --- | --- |
| Silicon   | ppm | █ 27 | --- | --- | --- |
| Sodium    | ppm | █ 0  | --- | --- | --- |
| Potassium | ppm | █ 3  | --- | --- | --- |



### WEAR METALS

|            |     |      |     |     |     |
|------------|-----|------|-----|-----|-----|
| Iron       | ppm | █ 47 | --- | --- | --- |
| Copper     | ppm | █ <1 | --- | --- | --- |
| Lead       | ppm | █ 0  | --- | --- | --- |
| Tin        | ppm | █ 0  | --- | --- | --- |
| Aluminum   | ppm | █ 5  | --- | --- | --- |
| Chromium   | ppm | █ <1 | --- | --- | --- |
| Molybdenum | ppm | █ 13 | --- | --- | --- |
| Nickel     | ppm | █ <1 | --- | --- | --- |
| Titanium   | ppm | <1   | --- | --- | --- |
| Silver     | ppm | 0    | --- | --- | --- |
| Manganese  | ppm | █ 0  | --- | --- | --- |
| Vanadium   | ppm | 0    | --- | --- | --- |



### ADDITIVES

|            |     |        |     |     |     |
|------------|-----|--------|-----|-----|-----|
| Calcium    | ppm | █ 2808 | --- | --- | --- |
| Magnesium  | ppm | █ 125  | --- | --- | --- |
| Zinc       | ppm | █ 1074 | --- | --- | --- |
| Phosphorus | ppm | █ 914  | --- | --- | --- |
| Barium     | ppm | █ 7    | --- | --- | --- |
| Boron      | ppm | █ 14   | --- | --- | --- |

### Diagnosis

The oil change at the time of sampling has been noted. 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:** TOTGAI  
**Unique No:** 10742967  
**Signed:** Angela Borella  
**Report Date:** 17 Nov 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

