



# CONSTRUCTION EQUIPMENT

## 405708 CATERPILLAR 299C 908593 - REAR LEFT FINAL DRIVE



**Sample No:** VCP450302  
**Oil Type:** CATERPILLAR GO 75W140  
**Job No:** 405708



### SAMPLE INFORMATION

|               |             |     |     |     |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP450302   | --- | --- | --- |
| Sample Date   | 23 May 2024 | --- | --- | --- |
| Machine Hours | 490         | --- | --- | --- |
| Oil Hours     | 0           | --- | --- | --- |
| Oil Changed   | Changed     | --- | --- | --- |
| Sample Status | NORMAL      | --- | --- | --- |

### STRONGCO EQUIPMENT-EDMONTON

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### OIL CONDITION

|                      |       |        |     |     |     |
|----------------------|-------|--------|-----|-----|-----|
| Visc @ 40°C          | cSt   | █ 184  | --- | --- | --- |
| Visc @ 100°C         | cSt   | █ 21.8 | --- | --- | --- |
| Viscosity Index (VI) | Scale | 141    | --- | --- | --- |

### 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 condition of the oil is acceptable for the time in service.



### CONTAMINATION

|           |     |      |     |     |     |
|-----------|-----|------|-----|-----|-----|
| Water     | %   | NEG  | --- | --- | --- |
| Silicon   | ppm | █ 28 | --- | --- | --- |
| Sodium    | ppm | █ 16 | --- | --- | --- |
| Potassium | ppm | █ 9  | --- | --- | --- |



### WEAR METALS

|            |     |       |     |     |     |
|------------|-----|-------|-----|-----|-----|
| Iron       | ppm | █ 585 | --- | --- | --- |
| Copper     | ppm | █ 105 | --- | --- | --- |
| Lead       | ppm | █ 2   | --- | --- | --- |
| Tin        | ppm | █ 0   | --- | --- | --- |
| Aluminum   | ppm | █ 15  | --- | --- | --- |
| Chromium   | ppm | █ 9   | --- | --- | --- |
| Molybdenum | ppm | █ 0   | --- | --- | --- |
| Nickel     | ppm | █ 4   | --- | --- | --- |
| Titanium   | ppm | █ <1  | --- | --- | --- |
| Silver     | ppm | █ 0   | --- | --- | --- |
| Manganese  | ppm | 12    | --- | --- | --- |
| Vanadium   | ppm | 0     | --- | --- | --- |



### ADDITIVES

|            |     |        |     |     |     |
|------------|-----|--------|-----|-----|-----|
| Calcium    | ppm | █ 21   | --- | --- | --- |
| Magnesium  | ppm | █ 4    | --- | --- | --- |
| Zinc       | ppm | █ 77   | --- | --- | --- |
| Phosphorus | ppm | █ 1196 | --- | --- | --- |
| Barium     | ppm | █ 20   | --- | --- | --- |
| Boron      | ppm | █ 132  | --- | --- | --- |

**Depot:** VOLVO3908  
**Unique No:** 5798552  
**Signed:** Kevin Marson  
**Report Date:** 11 Jun 2024



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## GRAPHS

