



# CONSTRUCTION EQUIPMENT

CMC SENNEBOGEN 850 850.0.3186 - REAR AXLE



**Sample No:** VCP438014  
**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5  
**Job No:** CMC



## SAMPLE INFORMATION

|               |             |     |     |     |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP438014   | --- | --- | --- |
| Sample Date   | 02 Jan 2024 | --- | --- | --- |
| Machine Hours | 1899        | --- | --- | --- |
| Oil Hours     | 1000        | --- | --- | --- |
| Oil Changed   | Changed     | --- | --- | --- |
| Sample Status | NORMAL      | --- | --- | --- |

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## OIL CONDITION

|             |     |       |     |     |     |
|-------------|-----|-------|-----|-----|-----|
| Visc @ 40°C | cSt | █ 143 | --- | --- | --- |
|-------------|-----|-------|-----|-----|-----|



## CONTAMINATION

|           |     |     |     |     |     |
|-----------|-----|-----|-----|-----|-----|
| Water     | %   | NEG | --- | --- | --- |
| Silicon   | ppm | █ 3 | --- | --- | --- |
| Sodium    | ppm | █ 0 | --- | --- | --- |
| Potassium | ppm | █ 1 | --- | --- | --- |

## Diagnosis

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.



## WEAR METALS

|            |     |      |     |     |     |
|------------|-----|------|-----|-----|-----|
| Iron       | ppm | █ 25 | --- | --- | --- |
| Copper     | ppm | █ 6  | --- | --- | --- |
| Lead       | ppm | █ 0  | --- | --- | --- |
| Tin        | ppm | █ 0  | --- | --- | --- |
| Aluminum   | ppm | █ 2  | --- | --- | --- |
| Chromium   | ppm | █ <1 | --- | --- | --- |
| Molybdenum | ppm | █ 1  | --- | --- | --- |
| Nickel     | ppm | █ 0  | --- | --- | --- |
| Titanium   | ppm | 0    | --- | --- | --- |
| Silver     | ppm | 0    | --- | --- | --- |
| Manganese  | ppm | █ 0  | --- | --- | --- |
| Vanadium   | ppm | 0    | --- | --- | --- |



## ADDITIVES

|            |     |       |     |     |     |
|------------|-----|-------|-----|-----|-----|
| Calcium    | ppm | █ 30  | --- | --- | --- |
| Magnesium  | ppm | █ 10  | --- | --- | --- |
| Zinc       | ppm | █ 0   | --- | --- | --- |
| Phosphorus | ppm | █ 991 | --- | --- | --- |
| Barium     | ppm | █ 3   | --- | --- | --- |
| Boron      | ppm | █ 36  | --- | --- | --- |

**Depot:** GRESOUNJ  
**Unique No:** 10835985  
**Signed:** Don Baldrige  
**Report Date:** 21 Jan 2024



# CONSTRUCTION EQUIPMENT



## VOLVO GRAPHS

