



# CONSTRUCTION EQUIPMENT

SPM686818 SENNEBOGEN 835 835.0.2015 - REAR RIGHT FINAL DRIVE



**Sample No:** VCP407406  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SPM686818



## SAMPLE INFORMATION

|               |                    |             |             |             |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | <b>VCP407406</b>   | VCP404354   | VCP358522   | VCP342063   |
| Sample Date   | <b>15 Mar 2024</b> | 26 Jan 2023 | 07 Apr 2022 | 05 Nov 2021 |
| Machine Hours | <b>24766</b>       | 23836       | 22573       | 21358       |
| Oil Hours     | <b>0</b>           | 0           | 0           | 0           |
| Oil Changed   | <b>Not Changed</b> | Not Changed | Changed     | Changed     |
| Sample Status | <b>ABNORMAL</b>    | NORMAL      | NORMAL      | NORMAL      |

### SIMS METAL MANAGEMENT

2500 S. PAULINA  
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## OIL CONDITION

|             |     |            |     |     |     |
|-------------|-----|------------|-----|-----|-----|
| Visc @ 40°C | cSt | <b>200</b> | 149 | 138 | 139 |
|-------------|-----|------------|-----|-----|-----|

## CONTAMINATION

| Water     | %   | NEG       | NEG | NEG | NEG |
|-----------|-----|-----------|-----|-----|-----|
| Silicon   | ppm | <b>25</b> | 1   | 6   | 2   |
| Sodium    | ppm | <b>0</b>  | 0   | 0   | <1  |
| Potassium | ppm | <b>2</b>  | 0   | 8   | <1  |

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. All other 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 | <b>133</b>   | 64 | 97 | 56 |
| Copper     | ppm | <b>51</b>    | 8  | 6  | 5  |
| Lead       | ppm | <b>1</b>     | 0  | <1 | 0  |
| Tin        | ppm | <b>1</b>     | 0  | 0  | <1 |
| Aluminum   | ppm | <b>2</b>     | 0  | 1  | <1 |
| Chromium   | ppm | <b>1</b>     | 0  | <1 | <1 |
| Molybdenum | ppm | <b>2</b>     | <1 | 4  | <1 |
| Nickel     | ppm | <b>&lt;1</b> | 0  | 0  | <1 |
| Titanium   | ppm | <b>&lt;1</b> | 0  | 2  | <1 |
| Silver     | ppm | <b>&lt;1</b> | 0  | 0  | <1 |
| Manganese  | ppm | <b>4</b>     | 1  | 2  | <1 |
| Vanadium   | ppm | <b>&lt;1</b> | 0  | 0  | 0  |

## ADDITIVES

|            |     |             |     |     |     |
|------------|-----|-------------|-----|-----|-----|
| Calcium    | ppm | <b>2247</b> | 114 | 293 | 22  |
| Magnesium  | ppm | <b>12</b>   | 4   | 67  | 4   |
| Zinc       | ppm | <b>1013</b> | 49  | 157 | 24  |
| Phosphorus | ppm | <b>861</b>  | 418 | 522 | 414 |
| Barium     | ppm | <b>16</b>   | 0   | 0   | 0   |
| Boron      | ppm | <b>10</b>   | 39  | 59  | 55  |

**Depot:** SIMCHIL  
**Unique No:** 10941413  
**Signed:** Sean Felton  
**Report Date:** 27 Mar 2024



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## VOLVO GRAPHS

