



# CONSTRUCTION EQUIPMENT

SPM581453 SENNEBOGAN 835M 835.0.2 195 - FRONT DIFFERENTIAL



**Sample No:** VCP401715  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SPM581453



## SAMPLE INFORMATION

|               |                    |             |     |     |
|---------------|--------------------|-------------|-----|-----|
| Sample Number | <b>VCP401715</b>   | VCP405701   | --- | --- |
| Sample Date   | <b>02 Aug 2023</b> | 03 Apr 2023 | --- | --- |
| Machine Hours | <b>18054</b>       | 17516       | --- | --- |
| Oil Hours     | <b>0</b>           | 0           | --- | --- |
| Oil Changed   | <b>Not Chngd</b>   | Changed     | --- | --- |
| Sample Status | <b>NORMAL</b>      | NORMAL      | --- | --- |

## SIMS METAL MANAGEMENT

2500 S. PAULINA  
CHICAGO, IL  
US 60608  
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T:  
F:



## OIL CONDITION

|             |     |            |     |     |     |
|-------------|-----|------------|-----|-----|-----|
| Visc @ 40°C | cSt | <b>142</b> | 141 | --- | --- |
|-------------|-----|------------|-----|-----|-----|



## CONTAMINATION

|           |     |              |    |     |     |
|-----------|-----|--------------|----|-----|-----|
| Silicon   | ppm | <b>4</b>     | 3  | --- | --- |
| Sodium    | ppm | <b>0</b>     | <1 | --- | --- |
| Potassium | ppm | <b>&lt;1</b> | 0  | --- | --- |

## 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 | <b>45</b>    | 9  | --- | --- |
| Copper     | ppm | <b>19</b>    | 17 | --- | --- |
| Lead       | ppm | <b>0</b>     | 0  | --- | --- |
| Tin        | ppm | <b>0</b>     | 0  | --- | --- |
| Aluminum   | ppm | <b>&lt;1</b> | 0  | --- | --- |
| Chromium   | ppm | <b>0</b>     | 0  | --- | --- |
| Molybdenum | ppm | <b>&lt;1</b> | <1 | --- | --- |
| Nickel     | ppm | <b>&lt;1</b> | 0  | --- | --- |
| Titanium   | ppm | <b>0</b>     | 0  | --- | --- |
| Silver     | ppm | <b>0</b>     | 0  | --- | --- |
| Manganese  | ppm | <b>&lt;1</b> | <1 | --- | --- |
| Vanadium   | ppm | <b>0</b>     | 0  | --- | --- |



## ADDITIVES

|            |     |            |     |     |     |
|------------|-----|------------|-----|-----|-----|
| Calcium    | ppm | <b>30</b>  | 9   | --- | --- |
| Magnesium  | ppm | <b>2</b>   | 2   | --- | --- |
| Zinc       | ppm | <b>25</b>  | 16  | --- | --- |
| Phosphorus | ppm | <b>433</b> | 433 | --- | --- |
| Barium     | ppm | <b>1</b>   | 0   | --- | --- |
| Boron      | ppm | <b>43</b>  | 39  | --- | --- |

**Depot:** SIMCHIL  
**Unique No:** 10602431  
**Signed:** Wes Davis  
**Report Date:** 12 Aug 2023



# CONSTRUCTION EQUIPMENT



## VOLVO GRAPHS

