



# CONSTRUCTION EQUIPMENT

595067 SENNEBOGEN 840 840.0.2244 - REAR LEFT FINAL DRIVE



**Sample No:** VCP416997  
**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5  
**Job No:** 595067



## SAMPLE INFORMATION

|               |                    |             |             |             |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | <b>VCP416997</b>   | VCP396626   | VCP338851   | VCP328513   |
| Sample Date   | <b>01 Sep 2023</b> | 13 Jan 2023 | 06 May 2022 | 18 Oct 2021 |
| Machine Hours | <b>6206</b>        | 4555        | 2545        | 1244        |
| Oil Hours     | <b>1206</b>        | 1000        | 0           | 1244        |
| Oil Changed   | <b>Changed</b>     | Changed     | Changed     | Changed     |
| Sample Status | <b>NORMAL</b>      | NORMAL      | NORMAL      | NORMAL      |

## FERROUS PROCESSING AND TRADING

3400 E LAFAYETTE  
 DETROIT, MI  
 US 48207

Contact: KEITH HALL  
 keith.hall@fpt1.com

T:  
 F:



## OIL CONDITION

|             |     |            |     |     |     |
|-------------|-----|------------|-----|-----|-----|
| Visc @ 40°C | cSt | <b>140</b> | 146 | 135 | 184 |
|-------------|-----|------------|-----|-----|-----|



## CONTAMINATION

|           |     |          |   |   |   |
|-----------|-----|----------|---|---|---|
| Silicon   | ppm | <b>7</b> | 5 | 2 | 4 |
| Sodium    | ppm | <b>2</b> | 1 | 0 | 5 |
| Potassium | ppm | <b>2</b> | 1 | 1 | 0 |



## WEAR METALS

|            |     |              |    |    |    |
|------------|-----|--------------|----|----|----|
| Iron       | ppm | <b>17</b>    | 17 | 14 | 34 |
| Copper     | ppm | <b>2</b>     | 4  | 4  | 11 |
| Lead       | ppm | <b>0</b>     | <1 | 0  | 0  |
| Tin        | ppm | <b>0</b>     | <1 | 0  | 0  |
| Aluminum   | ppm | <b>0</b>     | 0  | 1  | <1 |
| Chromium   | ppm | <b>0</b>     | <1 | <1 | <1 |
| Molybdenum | ppm | <b>0</b>     | <1 | 2  | <1 |
| Nickel     | ppm | <b>0</b>     | 0  | 0  | 0  |
| Titanium   | ppm | <b>0</b>     | 0  | 0  | 0  |
| Silver     | ppm | <b>0</b>     | 0  | 0  | <1 |
| Manganese  | ppm | <b>&lt;1</b> | <1 | <1 | 1  |
| Vanadium   | ppm | <b>0</b>     | 0  | 0  | 0  |



## ADDITIVES

|            |     |            |      |      |      |
|------------|-----|------------|------|------|------|
| Calcium    | ppm | <b>38</b>  | 30   | 69   | 7    |
| Magnesium  | ppm | <b>9</b>   | 1    | 14   | <1   |
| Zinc       | ppm | <b>39</b>  | 5    | 50   | 10   |
| Phosphorus | ppm | <b>882</b> | 2074 | 1002 | 1110 |
| Barium     | ppm | <b>0</b>   | 0    | 32   | 352  |
| Boron      | ppm | <b>88</b>  | 147  | 162  | 31   |

## 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.

**Depot:** FERDET  
**Unique No:** 10645531  
**Signed:** Wes Davis  
**Report Date:** 14 Sep 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

