



# CONSTRUCTION EQUIPMENT

646154 GERDAU SENNEBOGEN 825 3313 - FRONT RIGHT FINAL DRIVE



**Sample No:** VCP06039747  
**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5  
**Job No:** 646154 GERDAU



## SAMPLE INFORMATION

|               |                    |             |     |     |
|---------------|--------------------|-------------|-----|-----|
| Sample Number | <b>VCP06039747</b> | VCP403868   | --- | --- |
| Sample Date   | <b>13 Dec 2023</b> | 11 Jan 2023 | --- | --- |
| Machine Hours | <b>3721</b>        | 2845        | --- | --- |
| Oil Hours     | <b>721</b>         | 1000        | --- | --- |
| Oil Changed   | <b>Changed</b>     | Changed     | --- | --- |
| Sample Status | <b>NORMAL</b>      | NORMAL      | --- | --- |

**ALTA EQUIPMENT COMPANY - METRO WEST**  
56195 PONTIAC TRAIL  
NEW HUDSON, MI  
US 48165  
Contact: PAUL CONZ  
paul.conz@altg.com  
T: (313)348-8861  
F: (248)356-2029



## OIL CONDITION

|             |     |            |     |     |     |
|-------------|-----|------------|-----|-----|-----|
| Visc @ 40°C | cSt | <b>144</b> | 131 | --- | --- |
|-------------|-----|------------|-----|-----|-----|



## CONTAMINATION

|           |     |            |     |     |     |
|-----------|-----|------------|-----|-----|-----|
| Water     | %   | <b>NEG</b> | NEG | --- | --- |
| Silicon   | ppm | <b>5</b>   | 5   | --- | --- |
| Sodium    | ppm | <b>8</b>   | 8   | --- | --- |
| Potassium | ppm | <b>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>132</b>   | 86 | --- | --- |
| Copper     | ppm | <b>13</b>    | 10 | --- | --- |
| Lead       | ppm | <b>0</b>     | 0  | --- | --- |
| Tin        | ppm | <b>0</b>     | 0  | --- | --- |
| Aluminum   | ppm | <b>2</b>     | <1 | --- | --- |
| Chromium   | ppm | <b>&lt;1</b> | <1 | --- | --- |
| Molybdenum | ppm | <b>0</b>     | <1 | --- | --- |
| Nickel     | ppm | <b>0</b>     | 0  | --- | --- |
| Titanium   | ppm | <b>0</b>     | 0  | --- | --- |
| Silver     | ppm | <b>0</b>     | 0  | --- | --- |
| Manganese  | ppm | <b>3</b>     | 1  | --- | --- |
| Vanadium   | ppm | <b>0</b>     | 0  | --- | --- |



## ADDITIVES

|            |     |             |     |     |     |
|------------|-----|-------------|-----|-----|-----|
| Calcium    | ppm | <b>123</b>  | 284 | --- | --- |
| Magnesium  | ppm | <b>6</b>    | 8   | --- | --- |
| Zinc       | ppm | <b>49</b>   | 118 | --- | --- |
| Phosphorus | ppm | <b>1420</b> | 906 | --- | --- |
| Barium     | ppm | <b>0</b>    | 0   | --- | --- |
| Boron      | ppm | <b>34</b>   | 26  | --- | --- |

**Depot:** VOLVO2990  
**Unique No:** 10794976  
**Signed:** Jonathan Hester  
**Report Date:** 21 Dec 2023



# CONSTRUCTION EQUIPMENT



## VOLVO GRAPHS

