



# CONSTRUCTION EQUIPMENT

567208 GERDAU SENNEBOGEN 850 3143 - FRONT AXLE



**Sample No:** VCP414135  
**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5  
**Job No:** 567208 GERDAU



## SAMPLE INFORMATION

|               |                    |             |     |     |
|---------------|--------------------|-------------|-----|-----|
| Sample Number | <b>VCP414135</b>   | VCP411159   | --- | --- |
| Sample Date   | <b>28 Jun 2023</b> | 12 Apr 2023 | --- | --- |
| Machine Hours | <b>2398</b>        | 1263        | --- | --- |
| Oil Hours     | <b>1000</b>        | 1263        | --- | --- |
| Oil Changed   | <b>Changed</b>     | Changed     | --- | --- |
| Sample Status | <b>NORMAL</b>      | NORMAL      | --- | --- |

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## OIL CONDITION

|             |     |            |     |     |     |
|-------------|-----|------------|-----|-----|-----|
| Visc @ 40°C | cSt | <b>134</b> | 162 | --- | --- |
|-------------|-----|------------|-----|-----|-----|



## CONTAMINATION

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



## WEAR METALS

|            |     |              |    |     |     |
|------------|-----|--------------|----|-----|-----|
| Iron       | ppm | <b>8</b>     | 6  | --- | --- |
| Copper     | ppm | <b>4</b>     | 8  | --- | --- |
| Lead       | ppm | <b>0</b>     | 0  | --- | --- |
| Tin        | ppm | <b>0</b>     | 0  | --- | --- |
| Aluminum   | ppm | <b>&lt;1</b> | <1 | --- | --- |
| Chromium   | ppm | <b>0</b>     | <1 | --- | --- |
| Molybdenum | ppm | <b>0</b>     | 0  | --- | --- |
| Nickel     | ppm | <b>0</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>2</b>   | 9    | --- | --- |
| Magnesium  | ppm | <b>0</b>   | 2    | --- | --- |
| Zinc       | ppm | <b>0</b>   | 9    | --- | --- |
| Phosphorus | ppm | <b>499</b> | 1390 | --- | --- |
| Barium     | ppm | <b>0</b>   | 189  | --- | --- |
| Boron      | ppm | <b>2</b>   | 76   | --- | --- |

## 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:** VOLVO2990  
**Unique No:** 10546422  
**Signed:** Don Baldrige  
**Report Date:** 07 Jul 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

