



# CONSTRUCTION EQUIPMENT

606083 GERDAU VOLVO L350H 1221 - FRONT AXLE



**Sample No:** VCP431351  
**Oil Type:** VOLVO WB 102  
**Job No:** 606083 GERDAU



## SAMPLE INFORMATION

|               |             |             |     |     |
|---------------|-------------|-------------|-----|-----|
| Sample Number | VCP431351   | VCP407913   | --- | --- |
| Sample Date   | 20 Sep 2023 | 07 Jun 2023 | --- | --- |
| Machine Hours | 6073        | 4286        | --- | --- |
| Oil Hours     | 2073        | 2000        | --- | --- |
| Oil Changed   | Changed     | Changed     | --- | --- |
| Sample Status | NORMAL      | NORMAL      | --- | --- |

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## OIL CONDITION

|             |     |        |        |     |     |
|-------------|-----|--------|--------|-----|-----|
| Visc @ 40°C | cSt | █ 40.5 | █ 44.9 | --- | --- |
|-------------|-----|--------|--------|-----|-----|



## CONTAMINATION

|           |     |     |      |     |     |
|-----------|-----|-----|------|-----|-----|
| Silicon   | ppm | █ 3 | █ 4  | --- | --- |
| Sodium    | ppm | █ 0 | █ <1 | --- | --- |
| Potassium | ppm | █ 0 | █ 2  | --- | --- |

## 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 | █ 10 | █ 33 | --- | --- |
| Copper     | ppm | █ <1 | █ 2  | --- | --- |
| Lead       | ppm | █ <1 | █ <1 | --- | --- |
| Tin        | ppm | █ <1 | █ 0  | --- | --- |
| Aluminum   | ppm | █ 2  | █ <1 | --- | --- |
| Chromium   | ppm | █ 0  | █ 0  | --- | --- |
| Molybdenum | ppm | █ 0  | █ <1 | --- | --- |
| Nickel     | ppm | █ 0  | █ 0  | --- | --- |
| Titanium   | ppm | 0    | 0    | --- | --- |
| Silver     | ppm | 0    | 0    | --- | --- |
| Manganese  | ppm | █ <1 | █ <1 | --- | --- |
| Vanadium   | ppm | 0    | <1   | --- | --- |



## ADDITIVES

|            |     |        |        |     |     |
|------------|-----|--------|--------|-----|-----|
| Calcium    | ppm | █ 2719 | █ 2829 | --- | --- |
| Magnesium  | ppm | █ 6    | █ 11   | --- | --- |
| Zinc       | ppm | █ 1359 | █ 1326 | --- | --- |
| Phosphorus | ppm | █ 1200 | █ 1113 | --- | --- |
| Barium     | ppm | █ 0    | █ 0    | --- | --- |
| Boron      | ppm | █ 4    | 41     | --- | --- |

**Depot:** VOLVO2990  
**Unique No:** 10669055  
**Signed:** Don Baldrige  
**Report Date:** 28 Sep 2023



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## GRAPHS

