



# CONSTRUCTION EQUIPMENT

56538 MCLAMB VOLVO A30G 752017 - REAR AXLE



**Sample No:** VCP436501  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** 56538 MCLAMB



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## SAMPLE INFORMATION

|               |             |     |     |     |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP436501   | --- | --- | --- |
| Sample Date   | 07 May 2024 | --- | --- | --- |
| Machine Hours | 4754        | --- | --- | --- |
| Oil Hours     | 0           | --- | --- | --- |
| Oil Changed   | Not Chngd   | --- | --- | --- |
| Sample Status | SEVERE      | --- | --- | --- |



## OIL CONDITION

|             |     |       |     |     |     |
|-------------|-----|-------|-----|-----|-----|
| Visc @ 40°C | cSt | █ 159 | --- | --- | --- |
|-------------|-----|-------|-----|-----|-----|



## CONTAMINATION

|           |     |       |     |     |     |
|-----------|-----|-------|-----|-----|-----|
| Water     | %   | NEG   | --- | --- | --- |
| Silicon   | ppm | ▲ 235 | --- | --- | --- |
| Sodium    | ppm | █ <1  | --- | --- | --- |
| Potassium | ppm | █ 3   | --- | --- | --- |



## WEAR METALS

|            |     |       |     |     |     |
|------------|-----|-------|-----|-----|-----|
| Iron       | ppm | █ 470 | --- | --- | --- |
| Copper     | ppm | █ 53  | --- | --- | --- |
| Lead       | ppm | █ 0   | --- | --- | --- |
| Tin        | ppm | █ 4   | --- | --- | --- |
| Aluminum   | ppm | ● 33  | --- | --- | --- |
| Chromium   | ppm | █ 7   | --- | --- | --- |
| Molybdenum | ppm | █ <1  | --- | --- | --- |
| Nickel     | ppm | █ 2   | --- | --- | --- |
| Titanium   | ppm | 5     | --- | --- | --- |
| Silver     | ppm | 0     | --- | --- | --- |
| Manganese  | ppm | █ 7   | --- | --- | --- |
| Vanadium   | ppm | 0     | --- | --- | --- |



## ADDITIVES

|            |     |        |     |     |     |
|------------|-----|--------|-----|-----|-----|
| Calcium    | ppm | █ 20   | --- | --- | --- |
| Magnesium  | ppm | █ <1   | --- | --- | --- |
| Zinc       | ppm | █ 26   | --- | --- | --- |
| Phosphorus | ppm | █ 1079 | --- | --- | --- |
| Barium     | ppm | █ <1   | --- | --- | --- |
| Boron      | ppm | █ 219  | --- | --- | --- |

## Diagnosis

We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. All component wear rates are normal. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The oil is no longer serviceable due to the presence of contaminants.

**Depot:** VOLV00157  
**Unique No:** 11018980  
**Signed:** Don Baldrige  
**Report Date:** 10 May 2024



# CONSTRUCTION EQUIPMENT



## GRAPHS

