



# CONSTRUCTION EQUIPMENT

## 12252 VOLVO A45G 353036 - REAR AXLE



**Sample No:** VCP449578  
**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5  
**Job No:** 12252



### SAMPLE INFORMATION

|               |             |     |     |     |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP449578   | --- | --- | --- |
| Sample Date   | 08 Mar 2024 | --- | --- | --- |
| Machine Hours | 1856        | --- | --- | --- |
| Oil Hours     | 0           | --- | --- | --- |
| Oil Changed   | Changed     | --- | --- | --- |
| Sample Status | NORMAL      | --- | --- | --- |

**HOFFMAN EQUIPMENT - LIONVILLE**  
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### OIL CONDITION

|             |     |       |     |     |     |
|-------------|-----|-------|-----|-----|-----|
| Visc @ 40°C | cSt | █ 150 | --- | --- | --- |
|-------------|-----|-------|-----|-----|-----|



### CONTAMINATION

|           |     |     |     |     |     |
|-----------|-----|-----|-----|-----|-----|
| Water     | %   | NEG | --- | --- | --- |
| Silicon   | ppm | █ 3 | --- | --- | --- |
| Sodium    | ppm | █ 0 | --- | --- | --- |
| Potassium | ppm | █ 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 | █ 159 | --- | --- | --- |
| Copper     | ppm | █ <1  | --- | --- | --- |
| Lead       | ppm | █ <1  | --- | --- | --- |
| Tin        | ppm | █ <1  | --- | --- | --- |
| Aluminum   | ppm | █ 2   | --- | --- | --- |
| Chromium   | ppm | █ 3   | --- | --- | --- |
| Molybdenum | ppm | █ 3   | --- | --- | --- |
| Nickel     | ppm | █ <1  | --- | --- | --- |
| Titanium   | ppm | <1    | --- | --- | --- |
| Silver     | ppm | 0     | --- | --- | --- |
| Manganese  | ppm | █ 4   | --- | --- | --- |
| Vanadium   | ppm | <1    | --- | --- | --- |



### ADDITIVES

|            |     |        |     |     |     |
|------------|-----|--------|-----|-----|-----|
| Calcium    | ppm | █ 72   | --- | --- | --- |
| Magnesium  | ppm | █ 4    | --- | --- | --- |
| Zinc       | ppm | █ 34   | --- | --- | --- |
| Phosphorus | ppm | █ 1026 | --- | --- | --- |
| Barium     | ppm | █ 2    | --- | --- | --- |
| Boron      | ppm | █ 212  | --- | --- | --- |

**Depot:** VOLVO8879  
**Unique No:** 11021922  
**Signed:** Wes Davis  
**Report Date:** 13 May 2024



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## GRAPHS

