



# CONSTRUCTION EQUIPMENT

SPM675617 MCIRON VOLVO A45GFS 353666 - REAR AXLE



**Sample No:** VCP304829  
**Oil Type:** GEAR OIL SAE 75W80  
**Job No:** SPM675617 MCIRON



## SAMPLE INFORMATION

|               |             |     |     |     |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP304829   | --- | --- | --- |
| Sample Date   | 09 Mar 2024 | --- | --- | --- |
| Machine Hours | 1075        | --- | --- | --- |
| Oil Hours     | 0           | --- | --- | --- |
| Oil Changed   | Changed     | --- | --- | --- |
| Sample Status | NORMAL      | --- | --- | --- |

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## OIL CONDITION

|             |     |        |     |     |     |
|-------------|-----|--------|-----|-----|-----|
| Visc @ 40°C | cSt | █ 52.8 | --- | --- | --- |
|-------------|-----|--------|-----|-----|-----|



## CONTAMINATION

|           |     |      |     |     |     |
|-----------|-----|------|-----|-----|-----|
| Water     | %   | NEG  | --- | --- | --- |
| Silicon   | ppm | █ 2  | --- | --- | --- |
| Sodium    | ppm | █ <1 | --- | --- | --- |
| Potassium | ppm | █ 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 | █ 235 | --- | --- | --- |
| Copper     | ppm | █ 0   | --- | --- | --- |
| Lead       | ppm | █ 0   | --- | --- | --- |
| Tin        | ppm | █ 0   | --- | --- | --- |
| Aluminum   | ppm | █ 0   | --- | --- | --- |
| Chromium   | ppm | █ 2   | --- | --- | --- |
| Molybdenum | ppm | █ 5   | --- | --- | --- |
| Nickel     | ppm | █ 0   | --- | --- | --- |
| Titanium   | ppm | 0     | --- | --- | --- |
| Silver     | ppm | 0     | --- | --- | --- |
| Manganese  | ppm | █ 8   | --- | --- | --- |
| Vanadium   | ppm | 0     | --- | --- | --- |



## ADDITIVES

|            |     |        |     |     |     |
|------------|-----|--------|-----|-----|-----|
| Calcium    | ppm | █ 94   | --- | --- | --- |
| Magnesium  | ppm | █ 0    | --- | --- | --- |
| Zinc       | ppm | █ 43   | --- | --- | --- |
| Phosphorus | ppm | █ 2008 | --- | --- | --- |
| Barium     | ppm | █ 0    | --- | --- | --- |
| Boron      | ppm | █ 252  | --- | --- | --- |

**Depot:** VOLVO5055  
**Unique No:** 10930039  
**Signed:** Wes Davis  
**Report Date:** 19 Mar 2024



# CONSTRUCTION EQUIPMENT



## GRAPHS

