



# CONSTRUCTION EQUIPMENT

19190 MARTIN MARIETT VOLVO A45G 353588 - BOGIE/CENTER AXLE



**Sample No:** VCP417411  
**Oil Type:** VOLVO SUPER GEAR OIL 75W-80-GO102  
**Job No:** 19190 MARTIN MARIETT



## SAMPLE INFORMATION

|               |             |     |     |     |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP417411   | --- | --- | --- |
| Sample Date   | 17 Jul 2023 | --- | --- | --- |
| Machine Hours | 490         | --- | --- | --- |
| Oil Hours     | 490         | --- | --- | --- |
| Oil Changed   | Not Chngd   | --- | --- | --- |
| Sample Status | NORMAL      | --- | --- | --- |

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## OIL CONDITION

|             |     |        |     |     |     |
|-------------|-----|--------|-----|-----|-----|
| Visc @ 40°C | cSt | █ 51.6 | --- | --- | --- |
|-------------|-----|--------|-----|-----|-----|



## CONTAMINATION

|           |     |     |     |     |     |
|-----------|-----|-----|-----|-----|-----|
| Silicon   | ppm | █ 3 | --- | --- | --- |
| Sodium    | ppm | █ 2 | --- | --- | --- |
| Potassium | ppm | █ 3 | --- | --- | --- |

**Diagnosis**  
No corrective action is recommended at this time. 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 | █ 175 | --- | --- | --- |
| Copper     | ppm | █ 1   | --- | --- | --- |
| Lead       | ppm | █ 0   | --- | --- | --- |
| Tin        | ppm | █ 0   | --- | --- | --- |
| Aluminum   | ppm | █ <1  | --- | --- | --- |
| Chromium   | ppm | █ 3   | --- | --- | --- |
| Molybdenum | ppm | █ 6   | --- | --- | --- |
| Nickel     | ppm | █ <1  | --- | --- | --- |
| Titanium   | ppm | █ 0   | --- | --- | --- |
| Silver     | ppm | █ 0   | --- | --- | --- |
| Manganese  | ppm | █ 11  | --- | --- | --- |
| Vanadium   | ppm | █ 0   | --- | --- | --- |



## ADDITIVES

|            |     |        |     |     |     |
|------------|-----|--------|-----|-----|-----|
| Calcium    | ppm | █ 206  | --- | --- | --- |
| Magnesium  | ppm | █ 3    | --- | --- | --- |
| Zinc       | ppm | █ 82   | --- | --- | --- |
| Phosphorus | ppm | █ 2352 | --- | --- | --- |
| Barium     | ppm | █ 0    | --- | --- | --- |
| Boron      | ppm | █ 262  | --- | --- | --- |

**Depot:** VOLVO8769  
**Unique No:** 10587586  
**Signed:** Doug Bogart  
**Report Date:** 06 Aug 2023



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## GRAPHS

