



CONSTRUCTION EQUIPMENT

VOLVO A45G 352371 - REAR AXLE



Sample No: VCP436574
Oil Type: GEAR OIL SAE 80W90
Job No:



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-----|-----|
| Sample Number | VCP436574 | VCP349844 | --- | --- |
| Sample Date | 10 Jul 2024 | 03 Feb 2022 | --- | --- |
| Machine Hours | 5560 | 2372 | --- | --- |
| Oil Hours | 0 | 0 | --- | --- |
| Oil Changed | Not Chngd | Not Chngd | --- | --- |
| Sample Status | NORMAL | NORMAL | --- | --- |

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OIL CONDITION

| | | | | | |
|-------------|-----|------------|-----|-----|-----|
| Visc @ 40°C | cSt | 133 | 135 | --- | --- |
|-------------|-----|------------|-----|-----|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|------------|-----|-----|-----|
| Water | % | NEG | NEG | --- | --- |
| Silicon | ppm | 9 | 5 | --- | --- |
| Sodium | ppm | 0 | 0 | --- | --- |
| Potassium | ppm | 2 | <1 | --- | --- |



WEAR METALS

| | | | | | |
|------------|-----|--------------|-----|-----|-----|
| Iron | ppm | 360 | 221 | --- | --- |
| Copper | ppm | 3 | <1 | --- | --- |
| Lead | ppm | 0 | 0 | --- | --- |
| Tin | ppm | 0 | 0 | --- | --- |
| Aluminum | ppm | 2 | 4 | --- | --- |
| Chromium | ppm | 6 | 4 | --- | --- |
| Molybdenum | ppm | 6 | 4 | --- | --- |
| Nickel | ppm | 1 | 0 | --- | --- |
| Titanium | ppm | <1 | 0 | --- | --- |
| Silver | ppm | 0 | 0 | --- | --- |
| Manganese | ppm | 9 | 6 | --- | --- |
| Vanadium | ppm | 0 | 0 | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|-------------|------|-----|-----|
| Calcium | ppm | 51 | 51 | --- | --- |
| Magnesium | ppm | 29 | 26 | --- | --- |
| Zinc | ppm | 65 | 36 | --- | --- |
| Phosphorus | ppm | 1145 | 1112 | --- | --- |
| Barium | ppm | 0 | 0 | --- | --- |
| Boron | ppm | 155 | 208 | --- | --- |

Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 80W90. Please confirm.
 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.

Depot: VOLVO0090
Unique No: 11125330
Signed: Wes Davis
Report Date: 16 Jul 2024



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GRAPHS

