



CONSTRUCTION EQUIPMENT

RA88 VOLVO EC200E 314983 - REAR LEFT FINAL DRIVE



Sample No: VCP374199
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: RA88



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP374199 | --- | --- | --- |
| Sample Date | 28 Nov 2023 | --- | --- | --- |
| Machine Hours | 534 | --- | --- | --- |
| Oil Hours | 500 | --- | --- | --- |
| Oil Changed | Changed | --- | --- | --- |
| Sample Status | NORMAL | --- | --- | --- |

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OIL CONDITION

| | | | | | |
|-------------|-----|-------|-----|-----|-----|
| Visc @ 40°C | cSt | █ 177 | --- | --- | --- |
|-------------|-----|-------|-----|-----|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|------|-----|-----|-----|
| Water | % | NEG | --- | --- | --- |
| Silicon | ppm | █ 14 | --- | --- | --- |
| Sodium | ppm | █ <1 | --- | --- | --- |
| Potassium | ppm | █ 6 | --- | --- | --- |

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 | █ 436 | --- | --- | --- |
| Copper | ppm | █ 1 | --- | --- | --- |
| Lead | ppm | █ 0 | --- | --- | --- |
| Tin | ppm | █ 0 | --- | --- | --- |
| Aluminum | ppm | █ 2 | --- | --- | --- |
| Chromium | ppm | █ 8 | --- | --- | --- |
| Molybdenum | ppm | █ 2 | --- | --- | --- |
| Nickel | ppm | █ <1 | --- | --- | --- |
| Titanium | ppm | <1 | --- | --- | --- |
| Silver | ppm | 0 | --- | --- | --- |
| Manganese | ppm | █ 10 | --- | --- | --- |
| Vanadium | ppm | 0 | --- | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|-------|-----|-----|-----|
| Calcium | ppm | █ 11 | --- | --- | --- |
| Magnesium | ppm | █ 1 | --- | --- | --- |
| Zinc | ppm | █ 12 | --- | --- | --- |
| Phosphorus | ppm | █ 319 | --- | --- | --- |
| Barium | ppm | █ 3 | --- | --- | --- |
| Boron | ppm | █ 0 | --- | --- | --- |

Depot: VOLVO0080
Unique No: 10768673
Signed: Don Baldrige
Report Date: 06 Dec 2023



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GRAPHS

