



CONSTRUCTION EQUIPMENT

SW-27645-2 VOLVO ECR145E 316856 - REAR LEFT FINAL DRIVE



Sample No: VCP435831
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: SW-27645-2



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP435831 | --- | --- | --- |
| Sample Date | 18 Dec 2023 | --- | --- | --- |
| Machine Hours | 480 | --- | --- | --- |
| Oil Hours | 480 | --- | --- | --- |
| Oil Changed | Changed | --- | --- | --- |
| Sample Status | ABNORMAL | --- | --- | --- |

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OIL CONDITION

| | | | | | |
|-------------|-----|-------|-----|-----|-----|
| Visc @ 40°C | cSt | █ 140 | --- | --- | --- |
|-------------|-----|-------|-----|-----|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|------|-----|-----|-----|
| Water | % | NEG | --- | --- | --- |
| Silicon | ppm | █ 11 | --- | --- | --- |
| Sodium | ppm | █ 4 | --- | --- | --- |
| Potassium | ppm | █ <1 | --- | --- | --- |

Diagnosis

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. The tin level is abnormal. All other metal levels are typical for a new component breaking in. 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 | █ 434 | --- | --- | --- |
| Copper | ppm | █ 0 | --- | --- | --- |
| Lead | ppm | █ 0 | --- | --- | --- |
| Tin | ppm | ▲ 39 | --- | --- | --- |
| Aluminum | ppm | █ <1 | --- | --- | --- |
| Chromium | ppm | █ 10 | --- | --- | --- |
| Molybdenum | ppm | █ 0 | --- | --- | --- |
| Nickel | ppm | █ 0 | --- | --- | --- |
| Titanium | ppm | 0 | --- | --- | --- |
| Silver | ppm | 0 | --- | --- | --- |
| Manganese | ppm | █ 8 | --- | --- | --- |
| Vanadium | ppm | 0 | --- | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|-------|-----|-----|-----|
| Calcium | ppm | █ 30 | --- | --- | --- |
| Magnesium | ppm | █ 0 | --- | --- | --- |
| Zinc | ppm | █ 24 | --- | --- | --- |
| Phosphorus | ppm | █ 275 | --- | --- | --- |
| Barium | ppm | █ 0 | --- | --- | --- |
| Boron | ppm | █ 0 | --- | --- | --- |

Depot: VOLVO8770
Unique No: 10807051
Signed: Don Baldrige
Report Date: 28 Dec 2023



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VOLVO GRAPHS

