



CONSTRUCTION EQUIPMENT

X18276 KEY CONST VOLVO EC250ELR 310437 - FRONT LEFT FINAL DRIVE



Sample No: VCP441536
Oil Type: GEAR OIL SAE 80W90
Job No: X18276 KEY CONST



SCOTT EQUIPMENT COMPANY LLC - Jackson
3860 I-55 South
JACKSON, MS
US 39212
Contact: DWIGHT MCDUGAL
DMCDUGAL@SCOTTCOMPANIES.COM
T:
F: (601)326-3359



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP441536 | --- | --- | --- |
| Sample Date | 07 Feb 2024 | --- | --- | --- |
| Machine Hours | 3841 | --- | --- | --- |
| Oil Hours | 0 | --- | --- | --- |
| Oil Changed | Not Chngd | --- | --- | --- |
| Sample Status | ABNORMAL | --- | --- | --- |



OIL CONDITION

| | | | | | |
|-------------|-----|-------|-----|-----|-----|
| Visc @ 40°C | cSt | █ 157 | --- | --- | --- |
|-------------|-----|-------|-----|-----|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|-------|-----|-----|-----|
| Water | % | NEG | --- | --- | --- |
| Silicon | ppm | ▲ 106 | --- | --- | --- |
| Sodium | ppm | █ 3 | --- | --- | --- |
| Potassium | ppm | █ 2 | --- | --- | --- |



WEAR METALS

| | | | | | |
|------------|-----|-------|-----|-----|-----|
| Iron | ppm | █ 214 | --- | --- | --- |
| Copper | ppm | █ <1 | --- | --- | --- |
| Lead | ppm | █ 0 | --- | --- | --- |
| Tin | ppm | █ 0 | --- | --- | --- |
| Aluminum | ppm | ▲ 5 | --- | --- | --- |
| Chromium | ppm | █ 1 | --- | --- | --- |
| Molybdenum | ppm | █ 0 | --- | --- | --- |
| Nickel | ppm | █ <1 | --- | --- | --- |
| Titanium | ppm | <1 | --- | --- | --- |
| Silver | ppm | 0 | --- | --- | --- |
| Manganese | ppm | █ 2 | --- | --- | --- |
| Vanadium | ppm | 0 | --- | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|--------|-----|-----|-----|
| Calcium | ppm | █ 154 | --- | --- | --- |
| Magnesium | ppm | █ 3 | --- | --- | --- |
| Zinc | ppm | █ 33 | --- | --- | --- |
| Phosphorus | ppm | █ 1059 | --- | --- | --- |
| Barium | ppm | █ 0 | --- | --- | --- |
| Boron | ppm | █ 194 | --- | --- | --- |

Diagnosis

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor. All component wear rates are normal. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The condition of the oil is acceptable for the time in service.

Depot: VOLVO8771
Unique No: 10871820
Signed: Sean Felton
Report Date: 12 Feb 2024



CONSTRUCTION EQUIPMENT



GRAPHS

