



CONSTRUCTION EQUIPMENT

SWI026785 VOLVO EC220EL 314457 - SWING DRIVE



Sample No: VCP413414
Oil Type: GEAR OIL SAE 80W90
Job No: SWI026785



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP413414 | --- | --- | --- |
| Sample Date | 16 Nov 2023 | --- | --- | --- |
| Machine Hours | 2007 | --- | --- | --- |
| Oil Hours | 0 | --- | --- | --- |
| Oil Changed | Changed | --- | --- | --- |
| Sample Status | NORMAL | --- | --- | --- |

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OIL CONDITION

| | | | | | |
|-------------|-----|-------|-----|-----|-----|
| Visc @ 40°C | cSt | █ 161 | --- | --- | --- |
|-------------|-----|-------|-----|-----|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|------|-----|-----|-----|
| Water | % | NEG | --- | --- | --- |
| Silicon | ppm | █ 15 | --- | --- | --- |
| Sodium | ppm | █ 0 | --- | --- | --- |
| Potassium | ppm | █ 1 | --- | --- | --- |



WEAR METALS

| | | | | | |
|------------|-----|-------|-----|-----|-----|
| Iron | ppm | █ 398 | --- | --- | --- |
| Copper | ppm | █ 16 | --- | --- | --- |
| Lead | ppm | █ 0 | --- | --- | --- |
| Tin | ppm | █ 0 | --- | --- | --- |
| Aluminum | ppm | █ 1 | --- | --- | --- |
| Chromium | ppm | █ 5 | --- | --- | --- |
| Molybdenum | ppm | █ <1 | --- | --- | --- |
| Nickel | ppm | █ 0 | --- | --- | --- |
| Titanium | ppm | <1 | --- | --- | --- |
| Silver | ppm | 0 | --- | --- | --- |
| Manganese | ppm | █ 6 | --- | --- | --- |
| Vanadium | ppm | 0 | --- | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|-------|-----|-----|-----|
| Calcium | ppm | █ 6 | --- | --- | --- |
| Magnesium | ppm | █ <1 | --- | --- | --- |
| Zinc | ppm | █ 12 | --- | --- | --- |
| Phosphorus | ppm | █ 306 | --- | --- | --- |
| Barium | ppm | █ 0 | --- | --- | --- |
| Boron | ppm | █ 1 | --- | --- | --- |

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.

Depot: VOLVO8770
Unique No: 10754592
Signed: Wes Davis
Report Date: 26 Nov 2023



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GRAPHS

