



CONSTRUCTION EQUIPMENT

SWO072947 VOLVO EC480EL 315428 - LEFT SWING DRIVE



Sample No: VCP443969
Oil Type: GEAR OIL SAE 80W140
Job No: SWO072947



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-------------|-----|-----|
| Sample Number | VCP443969 | VCP447589 | --- | --- |
| Sample Date | 21 Jun 2024 | 19 Dec 2023 | --- | --- |
| Machine Hours | 1013 | 482 | --- | --- |
| Oil Hours | 0 | 0 | --- | --- |
| Oil Changed | N/A | Not Changd | --- | --- |
| Sample Status | ABNORMAL | ABNORMAL | --- | --- |

SAIIA CONSTRUCTION LLC

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OIL CONDITION

| | | | | | |
|-------------|-----|-------|-------|-----|-----|
| Visc @ 40°C | cSt | █ 247 | █ 174 | --- | --- |
|-------------|-----|-------|-------|-----|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|------|------|-----|-----|
| Water | % | NEG | NEG | --- | --- |
| Silicon | ppm | █ 10 | █ 21 | --- | --- |
| Sodium | ppm | █ 0 | █ <1 | --- | --- |
| Potassium | ppm | █ <1 | █ 0 | --- | --- |



WEAR METALS

| | | | | | |
|------------|-----|------|-------|-----|-----|
| Iron | ppm | █ 92 | █ 381 | --- | --- |
| Copper | ppm | █ 12 | ▲ 56 | --- | --- |
| Lead | ppm | █ 0 | █ 0 | --- | --- |
| Tin | ppm | █ 0 | █ 0 | --- | --- |
| Aluminum | ppm | █ <1 | █ 3 | --- | --- |
| Chromium | ppm | █ <1 | █ 6 | --- | --- |
| Molybdenum | ppm | █ 8 | 0 | --- | --- |
| Nickel | ppm | █ 0 | █ 0 | --- | --- |
| Titanium | ppm | 0 | <1 | --- | --- |
| Silver | ppm | 0 | 0 | --- | --- |
| Manganese | ppm | █ 1 | 7 | --- | --- |
| Vanadium | ppm | 0 | <1 | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|-------|-----|-----|-----|
| Calcium | ppm | █ 137 | 8 | --- | --- |
| Magnesium | ppm | 44 | 0 | --- | --- |
| Zinc | ppm | █ 124 | 38 | --- | --- |
| Phosphorus | ppm | █ 811 | 321 | --- | --- |
| Barium | ppm | █ <1 | 3 | --- | --- |
| Boron | ppm | █ 106 | 0 | --- | --- |

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The condition of the oil is acceptable for the time in service.

Depot: SAIBIR
Unique No: 11099790
Signed: Angela Borella
Report Date: 28 Jun 2024



CONSTRUCTION EQUIPMENT



GRAPHS

