



CONSTRUCTION EQUIPMENT

SPM579512 VOLVO EC480E 314792 - LEFT FINAL DRIVE



Sample No: VCP409267
Oil Type: GEAR OIL SAE 80W90
Job No: SPM579512



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-------------|-----|-----|
| Sample Number | VCP409267 | VCP404071 | --- | --- |
| Sample Date | 07 Jul 2023 | 21 Apr 2023 | --- | --- |
| Machine Hours | 2503 | 1993 | --- | --- |
| Oil Hours | 0 | 0 | --- | --- |
| Oil Changed | Not Changed | Changed | --- | --- |
| Sample Status | NORMAL | NORMAL | --- | --- |

SIMS METAL MANAGEMENT

2500 S. PAULINA
CHICAGO, IL
US 60608
Contact: RYAN WISE
ryan.wise@simsmm.com
T:
F:



OIL CONDITION

| | | | | | |
|-------------|-----|-------|-------|-----|-----|
| Visc @ 40°C | cSt | █ 188 | █ 185 | --- | --- |
|-------------|-----|-------|-------|-----|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|------|------|-----|-----|
| Silicon | ppm | █ 41 | █ 40 | --- | --- |
| Sodium | ppm | █ 2 | █ 1 | --- | --- |
| Potassium | ppm | █ 0 | █ <1 | --- | --- |



WEAR METALS

| | | | | | |
|------------|-----|-------|-------|-----|-----|
| Iron | ppm | █ 198 | █ 256 | --- | --- |
| Copper | ppm | █ <1 | █ 0 | --- | --- |
| Lead | ppm | █ 0 | █ 0 | --- | --- |
| Tin | ppm | █ 0 | █ 0 | --- | --- |
| Aluminum | ppm | █ 6 | █ 9 | --- | --- |
| Chromium | ppm | █ 3 | █ 4 | --- | --- |
| Molybdenum | ppm | █ 3 | █ 2 | --- | --- |
| Nickel | ppm | █ 0 | █ 0 | --- | --- |
| Titanium | ppm | █ <1 | █ <1 | --- | --- |
| Silver | ppm | █ 0 | █ 0 | --- | --- |
| Manganese | ppm | █ 3 | █ 4 | --- | --- |
| Vanadium | ppm | █ <1 | █ 0 | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|--------|--------|-----|-----|
| Calcium | ppm | █ 2941 | █ 2509 | --- | --- |
| Magnesium | ppm | █ 81 | █ 45 | --- | --- |
| Zinc | ppm | █ 1063 | █ 830 | --- | --- |
| Phosphorus | ppm | █ 870 | █ 748 | --- | --- |
| Barium | ppm | █ 0 | █ 0 | --- | --- |
| Boron | ppm | █ 10 | █ 2 | --- | --- |

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: SIMCHIIL
Unique No: 10560803
Signed: Don Baldrige
Report Date: 18 Jul 2023



CONSTRUCTION EQUIPMENT



GRAPHS

