



CONSTRUCTION EQUIPMENT

SPM621717 VOLVO EC480E 315179 - RIGHT SWING DRIVE



Sample No: VCP409237
Oil Type: GEAR OIL SAE 80W90
Job No: SPM621717



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-----|-----|
| Sample Number | VCP409237 | VCP407223 | --- | --- |
| Sample Date | 10 Nov 2023 | 27 Jul 2023 | --- | --- |
| Machine Hours | 1086 | 615 | --- | --- |
| Oil Hours | 0 | 0 | --- | --- |
| Oil Changed | Changed | Not Chngd | --- | --- |
| 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 | 176 | 157 | --- | --- |
|-------------|-----|------------|-----|-----|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|--------------|-----|-----|-----|
| Water | % | NEG | NEG | --- | --- |
| Silicon | ppm | 17 | 3 | --- | --- |
| Sodium | ppm | 0 | 0 | --- | --- |
| Potassium | ppm | <1 | <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.



WEAR METALS

| | | | | | |
|------------|-----|--------------|----|-----|-----|
| Iron | ppm | 184 | 24 | --- | --- |
| Copper | ppm | 8 | <1 | --- | --- |
| Lead | ppm | 0 | <1 | --- | --- |
| Tin | ppm | 0 | 0 | --- | --- |
| Aluminum | ppm | 2 | <1 | --- | --- |
| Chromium | ppm | 3 | <1 | --- | --- |
| Molybdenum | ppm | <1 | 0 | --- | --- |
| Nickel | ppm | <1 | <1 | --- | --- |
| Titanium | ppm | 0 | 0 | --- | --- |
| Silver | ppm | 0 | 0 | --- | --- |
| Manganese | ppm | 3 | <1 | --- | --- |
| Vanadium | ppm | 0 | 0 | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|------------|-----|-----|-----|
| Calcium | ppm | 13 | 5 | --- | --- |
| Magnesium | ppm | 1 | <1 | --- | --- |
| Zinc | ppm | 7 | 25 | --- | --- |
| Phosphorus | ppm | 352 | 244 | --- | --- |
| Barium | ppm | 6 | 3 | --- | --- |
| Boron | ppm | 0 | 0 | --- | --- |

Depot: SIMCHIL
Unique No: 10767293
Signed: Sean Felton
Report Date: 05 Dec 2023



CONSTRUCTION EQUIPMENT



GRAPHS

