



CONSTRUCTION EQUIPMENT

SPM580157 VOLVO EC380E 315082 - LEFT FINAL DRIVE



Sample No: VCP420641
Oil Type: GEAR OIL SAE 80W90
Job No: SPM580157



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP420641 | VCP418565 | VCP403583 | VCP363706 |
| Sample Date | 13 Jul 2023 | 02 May 2023 | 16 Mar 2023 | 14 Sep 2022 |
| Machine Hours | 3213 | 2700 | 2412 | 540 |
| Oil Hours | 0 | 0 | 0 | 0 |
| Oil Changed | Not Chngd | Not Chngd | Not Chngd | Changed |
| Sample Status | NORMAL | ABNORMAL | ABNORMAL | NORMAL |

UNITED SCRAP

1545 S CICERO AVE
 CICERO, IL
 US 60804
 Contact: RON LUCHTENBURG
 rluchten@unitedscrap.com
 T:
 F:



OIL CONDITION

| | | | | | |
|-------------|-----|------------|-----|-----|-----|
| Visc @ 40°C | cSt | 196 | 120 | 143 | 175 |
|-------------|-----|------------|-----|-----|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|--------------|---------|-------|-----|
| Water | % | --- | ▲ 0.239 | --- | --- |
| Silicon | ppm | 41 | ▲ 192 | ▲ 166 | 9 |
| Sodium | ppm | 2 | 51 | 49 | <1 |
| Potassium | ppm | <1 | 4 | 3 | 0 |



WEAR METALS

| | | | | | |
|------------|-----|--------------|-------|-------|-----|
| Iron | ppm | 198 | ▲ 628 | ▲ 510 | 157 |
| Copper | ppm | 0 | 11 | 9 | 0 |
| Lead | ppm | 0 | 0 | 0 | 0 |
| Tin | ppm | 0 | 0 | 0 | 0 |
| Aluminum | ppm | 8 | ▲ 12 | ▲ 11 | 2 |
| Chromium | ppm | 7 | 2 | 2 | 4 |
| Molybdenum | ppm | 2 | 10 | 9 | <1 |
| Nickel | ppm | 0 | 1 | 0 | 0 |
| Titanium | ppm | <1 | <1 | <1 | <1 |
| Silver | ppm | 0 | 0 | 0 | 0 |
| Manganese | ppm | 2 | 6 | 5 | 3 |
| Vanadium | ppm | 0 | 0 | 0 | 0 |



ADDITIVES

| | | | | | |
|------------|-----|-------------|-----|------|-----|
| Calcium | ppm | 2725 | 264 | 1064 | 18 |
| Magnesium | ppm | 42 | 30 | 30 | 2 |
| Zinc | ppm | 1165 | 135 | 470 | 6 |
| Phosphorus | ppm | 977 | 835 | 800 | 344 |
| Barium | ppm | 0 | 0 | 0 | 1 |
| Boron | ppm | 0 | 115 | 100 | 0 |

Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. 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: UNICICIL
Unique No: 10574655
Signed: Sean Felton
Report Date: 28 Jul 2023



CONSTRUCTION EQUIPMENT



GRAPHS

