



CONSTRUCTION EQUIPMENT

SWO-072401 - REAR LEFT FINAL DRIVE



Sample No: VCP442194
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: SWO-072401



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP442194 | VCP452427 | VCP431021 | VCP424611 |
| Sample Date | 31 May 2024 | 04 Mar 2024 | 03 Nov 2023 | 11 Jul 2023 |
| Machine Hours | 10125 | 9648 | 9145 | 8645 |
| Oil Hours | 0 | 0 | 0 | 0 |
| Oil Changed | Not Chngd | Changed | Not Chngd | Not Chngd |
| Sample Status | NORMAL | NORMAL | NORMAL | NORMAL |

SAIIA CONSTRUCTION LLC
 4400 LEWISBURG RD
 BIRMINGHAM, AL
 US 35207
 Contact: STEPHANI BRITTON
 sbritton@saiia.com;doug.bogart@wearcheck.com
 T: (205)943-2268
 F: (205)943-2269



OIL CONDITION

| | | | | | |
|-------------|-----|------------|-----|-----|-----|
| Visc @ 40°C | cSt | 268 | 233 | 233 | 184 |
|-------------|-----|------------|-----|-----|-----|



CONTAMINATION

| Water | % | NEG | NEG | NEG | NEG |
|-----------|-----|----------|-----|-----|-----|
| Silicon | ppm | 8 | 21 | 19 | 5 |
| Sodium | ppm | 0 | 2 | <1 | 1 |
| Potassium | ppm | 0 | 0 | 0 | <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 | 15 | 77 | 56 | 47 |
| Copper | ppm | 0 | 1 | 0 | 1 |
| Lead | ppm | 0 | 0 | 0 | <1 |
| Tin | ppm | 0 | 0 | 0 | <1 |
| Aluminum | ppm | 0 | 3 | 3 | <1 |
| Chromium | ppm | <1 | 1 | <1 | <1 |
| Molybdenum | ppm | 7 | 6 | 4 | 2 |
| Nickel | ppm | 0 | <1 | 0 | 0 |
| Titanium | ppm | 0 | <1 | <1 | 0 |
| Silver | ppm | 0 | 0 | 0 | 0 |
| Manganese | ppm | <1 | 1 | <1 | 1 |
| Vanadium | ppm | 0 | <1 | 0 | 0 |



ADDITIVES

| | | | | | |
|------------|-----|-------------|-----|-----|------|
| Calcium | ppm | 170 | 76 | 83 | 56 |
| Magnesium | ppm | 41 | 29 | 33 | 46 |
| Zinc | ppm | 120 | 69 | 76 | 103 |
| Phosphorus | ppm | 1009 | 990 | 937 | 1390 |
| Barium | ppm | 0 | 0 | 0 | 0 |
| Boron | ppm | 200 | 156 | 149 | 192 |

Depot: SAIBIR
Unique No: 11071136
Signed: Jonathan Hester
Report Date: 12 Jun 2024



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VOLVO GRAPHS

