



CONSTRUCTION EQUIPMENT

SWA350844-10 VOLVO EC300E 314225 - REAR LEFT FINAL DRIVE



Sample No: VCP424078
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: SWA350844-10



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP424078 | VCP397111 | VCP374149 | VCP322098 |
| Sample Date | 07 Sep 2023 | 19 Jun 2023 | 10 Jun 2022 | 11 Feb 2022 |
| Machine Hours | 4869 | 4288 | 2242 | 1600 |
| Oil Hours | 0 | 0 | 1000 | 0 |
| Oil Changed | Not Chngd | Not Chngd | Changed | Not Chngd |
| Sample Status | NORMAL | NORMAL | NORMAL | NORMAL |

DENALI WE CARE
 400 TORNE RD
 HILLBURN, NY
 US 10931
 Contact: Service Manager



OIL CONDITION

| | | | | | |
|-------------|-----|------------|-----|-----|-----|
| Visc @ 40°C | cSt | 291 | 291 | 183 | 169 |
|-------------|-----|------------|-----|-----|-----|

T:
F:



CONTAMINATION

| | | | | | |
|-----------|-----|-----------|----|---|---|
| Silicon | ppm | 14 | 11 | 9 | 7 |
| Sodium | ppm | 2 | <1 | 3 | 0 |
| Potassium | ppm | 6 | 4 | 4 | 6 |

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 | 230 | 193 | 269 | 349 |
| Copper | ppm | <1 | 0 | <1 | 2 |
| Lead | ppm | 0 | 0 | 0 | 0 |
| Tin | ppm | 0 | 0 | 0 | 0 |
| Aluminum | ppm | 3 | 1 | 2 | <1 |
| Chromium | ppm | 7 | 5 | 7 | 6 |
| Molybdenum | ppm | <1 | <1 | <1 | <1 |
| Nickel | ppm | 0 | 0 | 0 | 0 |
| Titanium | ppm | <1 | 0 | <1 | <1 |
| Silver | ppm | 0 | 0 | 0 | 0 |
| Manganese | ppm | 4 | 3 | 6 | 7 |
| Vanadium | ppm | <1 | 0 | 0 | 0 |



ADDITIVES

| | | | | | |
|------------|-----|------------|-----|-----|-----|
| Calcium | ppm | 70 | 65 | 10 | 11 |
| Magnesium | ppm | 0 | 0 | 0 | <1 |
| Zinc | ppm | 0 | 14 | 14 | 33 |
| Phosphorus | ppm | 690 | 865 | 446 | 466 |
| Barium | ppm | 0 | 0 | 5 | 0 |
| Boron | ppm | 72 | 97 | 0 | 1 |

Depot: DENHIL
Unique No: 10655642
Signed: Sean Felton
Report Date: 20 Sep 2023

VOLVO **GRAPHS**

