



CONSTRUCTION EQUIPMENT

660061 GLE SENNEBOGEN 830 830.0.2758 - REAR AXLE



Sample No: VCP445865
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 660061 GLE



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP445865 | VCP379769 | VCP341343 | VCP328903 |
| Sample Date | 19 Feb 2024 | 08 Feb 2023 | 08 Jun 2022 | 12 Jan 2022 |
| Machine Hours | 8236 | 6106 | 4965 | 4157 |
| Oil Hours | 1000 | 0 | 0 | 0 |
| Oil Changed | Changed | Changed | Changed | Changed |
| Sample Status | NORMAL | NORMAL | NORMAL | NORMAL |

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OIL CONDITION

| | | | | | |
|-------------|-----|------------|-----|-----|-----|
| Visc @ 40°C | cSt | 137 | 138 | 144 | 144 |
|-------------|-----|------------|-----|-----|-----|



CONTAMINATION

| Water | % | NEG | NEG | NEG | NEG |
|-----------|-----|----------|-----|-----|-----|
| Silicon | ppm | 4 | <1 | 4 | 4 |
| Sodium | ppm | 4 | <1 | 1 | 4 |
| Potassium | ppm | 0 | <1 | 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 | 110 | <1 | 36 | 23 |
| Copper | ppm | 2 | 0 | <1 | 2 |
| Lead | ppm | 0 | 0 | 0 | <1 |
| Tin | ppm | <1 | 0 | <1 | <1 |
| Aluminum | ppm | 0 | 0 | <1 | <1 |
| Chromium | ppm | <1 | 0 | <1 | <1 |
| Molybdenum | ppm | <1 | 2 | 0 | <1 |
| Nickel | ppm | 0 | 0 | <1 | 1 |
| Titanium | ppm | 0 | 0 | 0 | <1 |
| Silver | ppm | 0 | 0 | 0 | <1 |
| Manganese | ppm | 1 | 0 | 1 | 1 |
| Vanadium | ppm | 0 | 0 | 0 | 0 |



ADDITIVES

| | | | | | |
|------------|-----|--------------|-----|------|------|
| Calcium | ppm | 31 | 19 | 71 | 106 |
| Magnesium | ppm | 7 | 20 | <1 | 2 |
| Zinc | ppm | 18 | 17 | 24 | 43 |
| Phosphorus | ppm | 1213 | 562 | 1958 | 2007 |
| Barium | ppm | <1 | 0 | 0 | 0 |
| Boron | ppm | 76 | 18 | 137 | 165 |

Depot: VOLVO2990
Unique No: 10896934
Signed: Wes Davis
Report Date: 26 Feb 2024



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GRAPHS

