



CONSTRUCTION EQUIPMENT

SPM621711 BL DUKE SENNEBOGEN 835ME 835.0.2810 - FRONT DIFFERENTIAL



Sample No: VCP416902
Oil Type: GEAR OIL SAE 80W90
Job No: SPM621711 BL DUKE



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP416902 | VCP406064 | VCP387369 | VCP364753 |
| Sample Date | 18 Oct 2023 | 09 Mar 2023 | 28 Feb 2023 | 15 Aug 2022 |
| Machine Hours | 6955 | 5516 | 5387 | 4111 |
| Oil Hours | 0 | 0 | 0 | 0 |
| Oil Changed | Changed | Not Chngd | Changed | Changed |
| Sample Status | NORMAL | NORMAL | ABNORMAL | NORMAL |

ALTA EQUIPMENT CO - ORLAND PARK
5000 INDUSTRIAL HWY
GARY, IN
US 46406
Contact: DAVE ENG
DAVE.ENG@ALTG.COM
T: (312)350-2560
F:

OIL CONDITION

| | | | | | |
|-------------|-----|------------|-----|-----|-----|
| Visc @ 40°C | cSt | 186 | 159 | 194 | 184 |
|-------------|-----|------------|-----|-----|-----|

CONTAMINATION

| | | | | | |
|-----------|-----|----------|---|----|----|
| Silicon | ppm | 6 | 4 | 21 | 3 |
| Sodium | ppm | 4 | 0 | <1 | 5 |
| Potassium | ppm | 0 | 1 | <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 | 37 | 35 | 192 | 25 |
| Copper | ppm | 82 | 54 | ▲ 426 | 49 |
| Lead | ppm | 0 | 0 | 6 | <1 |
| Tin | ppm | 0 | 3 | ▲ 6 | <1 |
| Aluminum | ppm | 0 | 1 | 2 | 2 |
| Chromium | ppm | 0 | <1 | 2 | <1 |
| Molybdenum | ppm | 0 | <1 | 2 | <1 |
| Nickel | ppm | 0 | 0 | <1 | <1 |
| Titanium | ppm | 0 | 0 | 0 | 0 |
| Silver | ppm | 0 | 0 | <1 | 0 |
| Manganese | ppm | 0 | <1 | 2 | <1 |
| Vanadium | ppm | 0 | 0 | <1 | 0 |

ADDITIVES

| | | | | | |
|------------|-----|-------------|-----|------|------|
| Calcium | ppm | 207 | 763 | 1996 | 44 |
| Magnesium | ppm | 1 | 4 | 17 | 1 |
| Zinc | ppm | 146 | 335 | 813 | 44 |
| Phosphorus | ppm | 1131 | 948 | 780 | 1058 |
| Barium | ppm | 365 | 0 | 0 | 357 |
| Boron | ppm | 0 | 182 | 22 | 3 |

Depot: VOLVO8885
Unique No: 10738470
Signed: Sean Felton
Report Date: 14 Nov 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

