



CONSTRUCTION EQUIPMENT

SPM621711 BL DUKE SENNEBOGEN 835ME 835.0.2810 - REAR RIGHT FINAL DRIVE



Sample No: VCP416906
Oil Type: GEAR OIL SAE 80W90
Job No: SPM621711 BL DUKE



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP416906 | VCP383253 | VCP401586 | VCP364751 |
| 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 | NORMAL | NORMAL |

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OIL CONDITION

| | | | | | |
|-------------|-----|------------|-----|-----|-----|
| Visc @ 40°C | cSt | 196 | 132 | 139 | 187 |
|-------------|-----|------------|-----|-----|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|-----------|---|----|---|
| Silicon | ppm | 12 | 1 | 13 | 4 |
| Sodium | ppm | 2 | 0 | 2 | 4 |
| Potassium | ppm | 0 | 1 | <1 | 2 |

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 | 80 | 2 | 243 | 125 |
| Copper | ppm | 14 | 2 | 24 | 48 |
| Lead | ppm | 0 | 0 | 0 | <1 |
| Tin | ppm | 0 | <1 | 0 | <1 |
| Aluminum | ppm | 0 | 1 | 2 | 2 |
| Chromium | ppm | 0 | 0 | 2 | <1 |
| Molybdenum | ppm | 0 | 7 | 2 | <1 |
| Nickel | ppm | 0 | 0 | <1 | <1 |
| Titanium | ppm | 0 | 0 | <1 | 0 |
| Silver | ppm | 0 | 0 | <1 | 0 |
| Manganese | ppm | <1 | 0 | 4 | 3 |
| Vanadium | ppm | 0 | 0 | <1 | 0 |



ADDITIVES

| | | | | | |
|------------|-----|-------------|-----|-----|------|
| Calcium | ppm | 2597 | 132 | 343 | 275 |
| Magnesium | ppm | 13 | 98 | 14 | 5 |
| Zinc | ppm | 1160 | 141 | 194 | 183 |
| Phosphorus | ppm | 990 | 921 | 513 | 1041 |
| Barium | ppm | 19 | 0 | 0 | 281 |
| Boron | ppm | 0 | 220 | 45 | 7 |

Depot: VOLVO8885
Unique No: 10738469
Signed: Sean Felton
Report Date: 14 Nov 2023



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GRAPHS

