



CONSTRUCTION EQUIPMENT

SPM686828 SENNEBOGEN 835ME 835.0.2739 - LEFT SWING DRIVE



Sample No: VCP444275
Oil Type: GEAR OIL SAE 80W90
Job No: SPM686828



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP444275 | VCP398750 | VCP336719 | VCP340337 |
| Sample Date | 15 Mar 2024 | 30 May 2023 | 23 Mar 2022 | 12 Oct 2021 |
| Machine Hours | 7000 | 5151 | 2978 | 1932 |
| Oil Hours | 0 | 0 | 0 | 0 |
| Oil Changed | Not Chngd | Not Chngd | Changed | Changed |
| Sample Status | NORMAL | ABNORMAL | NORMAL | ABNORMAL |

SIMS METAL MANAGEMENT

2500 S. PAULINA
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T:
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OIL CONDITION

| | | | | | |
|-------------|-----|------------|-----|-----|-----|
| Visc @ 40°C | cSt | 197 | 204 | 190 | 198 |
|-------------|-----|------------|-----|-----|-----|



CONTAMINATION

| Water | % | NEG | NEG | NEG | NEG |
|-----------|-----|-----------|-----|-----|-----|
| Silicon | ppm | 12 | 14 | 14 | 4 |
| Sodium | ppm | 0 | <1 | <1 | 2 |
| Potassium | ppm | 2 | 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 | 67 | 160 | 299 | 555 |
| Copper | ppm | 110 | 354 | 72 | 67 |
| Lead | ppm | 1 | 2 | <1 | <1 |
| Tin | ppm | 8 | 15 | 4 | 6 |
| Aluminum | ppm | 2 | 1 | 2 | 2 |
| Chromium | ppm | 1 | <1 | 2 | 4 |
| Molybdenum | ppm | 2 | 1 | <1 | <1 |
| Nickel | ppm | <1 | 0 | <1 | 1 |
| Titanium | ppm | <1 | <1 | 0 | 0 |
| Silver | ppm | <1 | 0 | 0 | <1 |
| Manganese | ppm | 2 | 2 | 3 | 5 |
| Vanadium | ppm | <1 | 0 | 0 | 0 |



ADDITIVES

| | | | | | |
|------------|-----|-------------|------|------|-----|
| Calcium | ppm | 2742 | 1740 | 1234 | 8 |
| Magnesium | ppm | 23 | 22 | 7 | 5 |
| Zinc | ppm | 1120 | 981 | 576 | 137 |
| Phosphorus | ppm | 922 | 705 | 600 | 333 |
| Barium | ppm | 2 | 0 | 0 | 0 |
| Boron | ppm | 4 | 6 | 15 | 20 |

Depot: SIMCHIL
Unique No: 10941430
Signed: Sean Felton
Report Date: 27 Mar 2024



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GRAPHS

