



CONSTRUCTION EQUIPMENT

SWA413501 SENNOBOGEN 835 835.0.2289 - RIGHT SWING DRIVE



Sample No: VCP414800
Oil Type: GEAR OIL SAE 80W90
Job No: SWA413501



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP414800 | --- | --- | --- |
| Sample Date | 13 Nov 2023 | --- | --- | --- |
| Machine Hours | 7801 | --- | --- | --- |
| Oil Hours | 0 | --- | --- | --- |
| Oil Changed | Not Chngd | --- | --- | --- |
| Sample Status | SEVERE | --- | --- | --- |

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OIL CONDITION

| | | | | | |
|-------------|-----|-------|-----|-----|-----|
| Visc @ 40°C | cSt | ▲ 238 | --- | --- | --- |
|-------------|-----|-------|-----|-----|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|--------|-----|-----|-----|
| Water | % | ◆ 5.14 | --- | --- | --- |
| Silicon | ppm | ■ 21 | --- | --- | --- |
| Sodium | ppm | ■ 2 | --- | --- | --- |
| Potassium | ppm | ■ 2 | --- | --- | --- |

Diagnosis

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. The iron level is abnormal. There is a high concentration of water present in the oil. Excessive free water present. The oil viscosity is higher than normal. The oil is no longer serviceable due to the presence of contaminants.



WEAR METALS

| | | | | | |
|------------|-----|-------|-----|-----|-----|
| Iron | ppm | ▲ 590 | --- | --- | --- |
| Copper | ppm | ■ 51 | --- | --- | --- |
| Lead | ppm | ■ 2 | --- | --- | --- |
| Tin | ppm | ■ 5 | --- | --- | --- |
| Aluminum | ppm | ■ 2 | --- | --- | --- |
| Chromium | ppm | ■ 6 | --- | --- | --- |
| Molybdenum | ppm | ■ <1 | --- | --- | --- |
| Nickel | ppm | ■ 1 | --- | --- | --- |
| Titanium | ppm | 0 | --- | --- | --- |
| Silver | ppm | 0 | --- | --- | --- |
| Manganese | ppm | ■ 3 | --- | --- | --- |
| Vanadium | ppm | 0 | --- | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|-------|-----|-----|-----|
| Calcium | ppm | ■ 12 | --- | --- | --- |
| Magnesium | ppm | ■ <1 | --- | --- | --- |
| Zinc | ppm | ■ 31 | --- | --- | --- |
| Phosphorus | ppm | ■ 348 | --- | --- | --- |
| Barium | ppm | ■ 7 | --- | --- | --- |
| Boron | ppm | ■ 25 | --- | --- | --- |

Depot: VOLVO8885
Unique No: 10742966
Signed: Angela Borella
Report Date: 17 Nov 2023



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GRAPHS

