



SENNEBOGEN 830E MS17 - Rear Differential

Sample No: LHMC103983

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-------------|-----|-----|
| Sample Number | LHMC103983 | LHMC103206 | --- | --- |
| Sample Date | 05 May 2023 | 20 Feb 2023 | --- | --- |
| Machine Hours | 6853 | 5898 | --- | --- |
| Oil Hours | 0 | 0 | --- | --- |
| Oil Changed | N/A | Changed | --- | --- |
| Sample Status | NORMAL | NORMAL | --- | --- |

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OIL CONDITION

| | | | | | |
|-------------|-----|-------|-------|-----|-----|
| Visc @ 40°C | cSt | ● 145 | ● 143 | --- | --- |
|-------------|-----|-------|-------|-----|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|------|------|-----|-----|
| Water | % | NEG | NEG | --- | --- |
| Silicon | ppm | ● <1 | ● 3 | --- | --- |
| Sodium | ppm | ● 0 | ● 2 | --- | --- |
| Potassium | ppm | ● <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 | ● 28 | ● 102 | --- | --- |
| Copper | ppm | ● <1 | ● 1 | --- | --- |
| Lead | ppm | ● 0 | ● 0 | --- | --- |
| Tin | ppm | ● 0 | ● 0 | --- | --- |
| Aluminum | ppm | ● 0 | ● <1 | --- | --- |
| Chromium | ppm | ● <1 | ● <1 | --- | --- |
| Molybdenum | ppm | ● <1 | ● <1 | --- | --- |
| Nickel | ppm | ● <1 | ● <1 | --- | --- |
| Titanium | ppm | 0 | 0 | --- | --- |
| Silver | ppm | 0 | 0 | --- | --- |
| Manganese | ppm | ● <1 | ● 1 | --- | --- |
| Vanadium | ppm | 0 | 0 | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|-------|-------|-----|-----|
| Calcium | ppm | ● 45 | ● 64 | --- | --- |
| Magnesium | ppm | ● 1 | ● 2 | --- | --- |
| Zinc | ppm | ● 9 | ● 11 | --- | --- |
| Phosphorus | ppm | ● 315 | ● 416 | --- | --- |
| Barium | ppm | ● 0 | ● 0 | --- | --- |
| Boron | ppm | ● 11 | ● 31 | --- | --- |

Depot: OSCLAF
Unique No: 10472408
Signed: Jonathan Hester
Report Date: 18 May 2023



GRAPHS

