



### SENNEBOGEN 830E MS17 - Transmission (Manual)

Sample No: LHMC100239

Oil Type: {unknown}



#### SAMPLE INFORMATION

|               |             |             |             |     |
|---------------|-------------|-------------|-------------|-----|
| Sample Number | LHMC100239  | LHMC103195  | LHMC131403  | --- |
| Sample Date   | 23 Aug 2023 | 05 May 2023 | 20 Feb 2023 | --- |
| Machine Hours | 6878        | 6853        | 5898        | --- |
| Oil Hours     | 0           | 0           | 0           | --- |
| Oil Changed   | Not Changd  | Not Changd  | Not Changd  | --- |
| Sample Status | MARGINAL    | NORMAL      | NORMAL      | --- |

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#### OIL CONDITION

|             |     |      |      |      |     |
|-------------|-----|------|------|------|-----|
| Visc @ 40°C | cSt | 39.9 | 42.4 | 42.7 | --- |
|-------------|-----|------|------|------|-----|



#### CONTAMINATION

|           |     |       |     |     |     |
|-----------|-----|-------|-----|-----|-----|
| Water     | %   | 0.261 | NEG | NEG | --- |
| Silicon   | ppm | 3     | 4   | 6   | --- |
| Sodium    | ppm | 40    | 40  | 39  | --- |
| Potassium | ppm | <1    | 4   | 3   | --- |



#### WEAR METALS

|            |     |    |    |    |     |
|------------|-----|----|----|----|-----|
| Iron       | ppm | 46 | 46 | 45 | --- |
| Copper     | ppm | 80 | 77 | 72 | --- |
| Lead       | ppm | 0  | <1 | 2  | --- |
| Tin        | ppm | 2  | 2  | 2  | --- |
| Aluminum   | ppm | 6  | 6  | 6  | --- |
| Chromium   | ppm | <1 | <1 | <1 | --- |
| Molybdenum | ppm | 0  | <1 | <1 | --- |
| Nickel     | ppm | 0  | <1 | 0  | --- |
| Titanium   | ppm | 0  | <1 | <1 | --- |
| Silver     | ppm | 0  | 0  | 0  | --- |
| Manganese  | ppm | 16 | 18 | 17 | --- |
| Vanadium   | ppm | <1 | <1 | <1 | --- |



#### ADDITIVES

|            |     |      |      |      |     |
|------------|-----|------|------|------|-----|
| Calcium    | ppm | 3139 | 3251 | 3094 | --- |
| Magnesium  | ppm | 8    | 6    | 14   | --- |
| Zinc       | ppm | 1137 | 1178 | 1097 | --- |
| Phosphorus | ppm | 1047 | 1092 | 972  | --- |
| Barium     | ppm | 0    | 0    | 0    | --- |
| Boron      | ppm | 0    | 5    | 4    | --- |

#### Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. There is a light concentration of water present in the fluid. The condition of the fluid is acceptable for the time in service.

**Depot:** OSCLAF  
**Unique No:** 10833652  
**Signed:** Don Baldrige  
**Report Date:** 18 Jan 2024



### GRAPHS

