



OIL ANALYSIS REPORT

| | |
|-----------------|--------|
| WEAR | NORMAL |
| CONTAMINATION | NORMAL |
| FLUID CONDITION | NORMAL |

Area
[SPM701405]
 Machine Id
SENNEBOGEN 835ME 835.0.2718
 Component
Rear Right Final Drive
 Fluid
GEAR OIL SAE 80W90 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|-------------|-------------|-------------|
| Sample Number | | Client Info | | VCP425148 | VCP433450 | VCP415016 |
| Sample Date | | Client Info | | 12 Apr 2024 | 07 Dec 2023 | 12 Sep 2023 |
| Machine Age | hrs | Client Info | | 9760 | 8880 | 8383 |
| Oil Age | hrs | Client Info | | 0 | 0 | 0 |
| Filter Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | Not Changed | Changed | Not Changed |
| Filter Changed | | Client Info | | Not Changed | Not Changed | Not Changed |
| Sample Status | | | | NORMAL | NORMAL | NORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|------|-------|------|
| Iron | ppm | ASTM D5185m | >500 | 58 | 47 | 179 |
| Chromium | ppm | ASTM D5185m | >10 | 0 | 0 | 6 |
| Nickel | ppm | ASTM D5185m | >10 | 0 | 0 | <1 |
| Titanium | ppm | ASTM D5185m | | 0 | 0 | <1 |
| Silver | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >25 | 0 | 1 | 4 |
| Lead | ppm | ASTM D5185m | >25 | 0 | 0 | 0 |
| Copper | ppm | ASTM D5185m | >50 | 28 | 29 | <1 |
| Tin | ppm | ASTM D5185m | >10 | <1 | <1 | 0 |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| White Metal | scalar | *Visual | NONE | NONE | MODER | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

CONTAMINATION

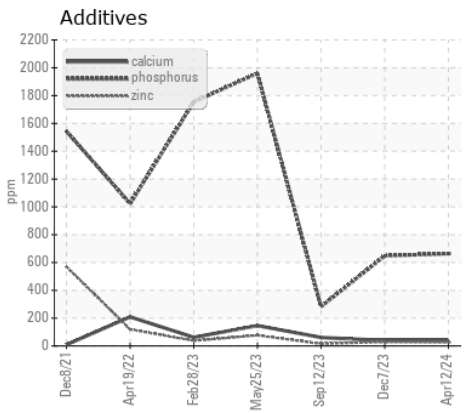
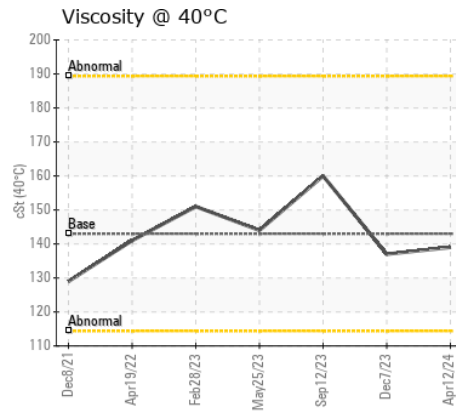
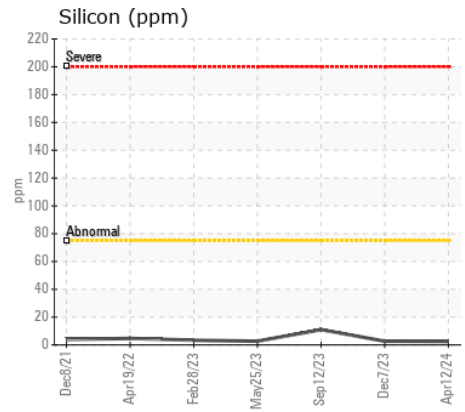
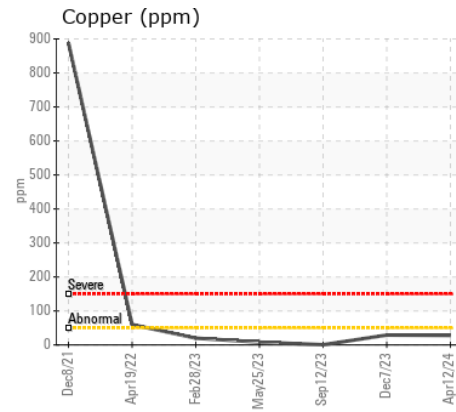
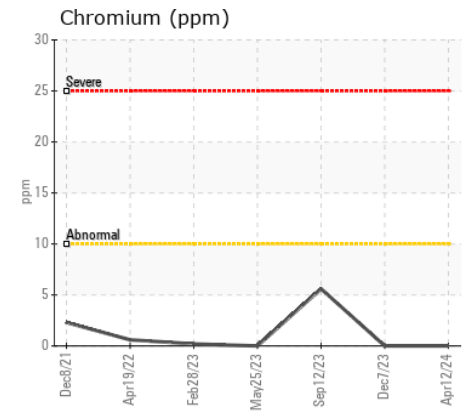
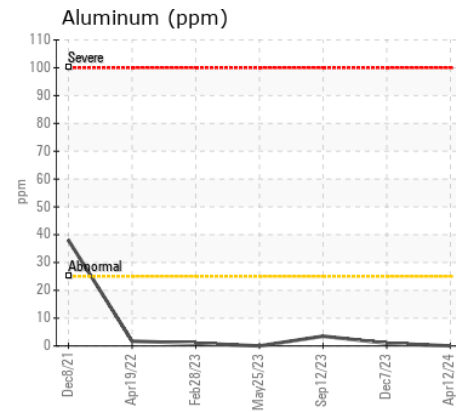
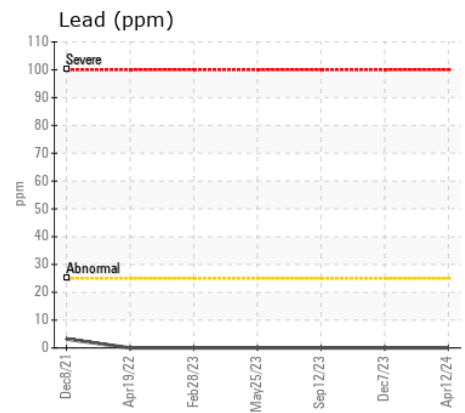
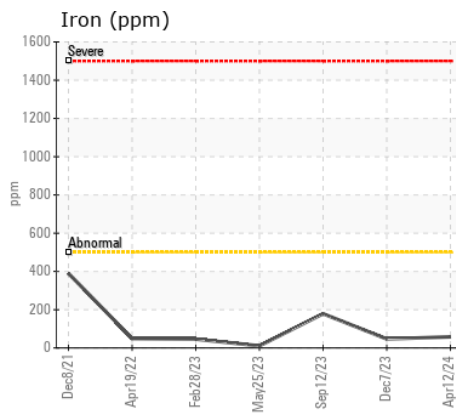
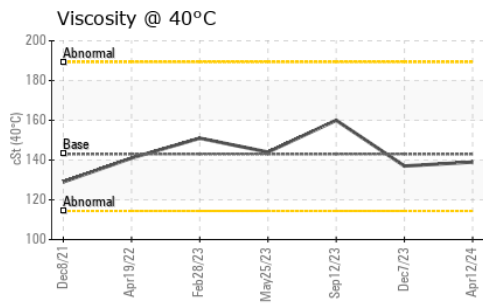
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|--------|-------------|-------|-------|-------|-------|
| Silicon | ppm | ASTM D5185m | >75 | 2 | 3 | 11 |
| Potassium | ppm | ASTM D5185m | >20 | 0 | 1 | 4 |
| Water | | WC Method | >0.2 | NEG | NEG | NEG |
| Silt | scalar | *Visual | NONE | NONE | NONE | NONE |
| Debris | scalar | *Visual | NONE | NONE | NONE | NONE |
| Sand/Dirt | scalar | *Visual | NONE | NONE | NONE | NONE |
| Appearance | scalar | *Visual | NORML | NORML | NORML | NORML |
| Odor | scalar | *Visual | NORML | NORML | NORML | NORML |
| Emulsified Water | scalar | *Visual | >0.2 | NEG | NEG | NEG |

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

| | | | | | | |
|-------------|-----|-------------|-------|-------|-------|-------|
| Sodium | ppm | ASTM D5185m | >170 | 0 | <1 | 10 |
| Boron | ppm | ASTM D5185m | 400 | 16 | 20 | 0 |
| Barium | ppm | ASTM D5185m | 200 | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | 12 | 0 | 0 | <1 |
| Manganese | ppm | ASTM D5185m | | 1 | 2 | 6 |
| Magnesium | ppm | ASTM D5185m | 12 | 3 | 1 | 2 |
| Calcium | ppm | ASTM D5185m | 150 | 40 | 39 | 61 |
| Phosphorus | ppm | ASTM D5185m | 1650 | 664 | 647 | 282 |
| Zinc | ppm | ASTM D5185m | 125 | 26 | 29 | 15 |
| Sulfur | ppm | ASTM D5185m | 22500 | 22090 | 21479 | 16039 |
| Visc @ 40°C | cSt | ASTM D445 | 143 | 139 | 137 | 160 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : VCP425148

Lab Number : 06160731

Unique Number : 10996154

Test Package : MOB 1

Received : 25 Apr 2024

Tested : 30 Apr 2024

Diagnosed : 30 Apr 2024 - Wes Davis

BELSON STEEL

1685 N STATE RTE 50

BOURBONNAIS, IL

US 60914

Contact: M. POZAN

mpozan@belsonsteel.com

T: (815)932-7416

F:

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)