



OIL ANALYSIS REPORT

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

Machine Id
178
Component
Rear Transmission (Auto)
Fluid
CASTROL TRANSYND (24 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

There is no indication of any contamination in the fluid.

FLUID CONDITION

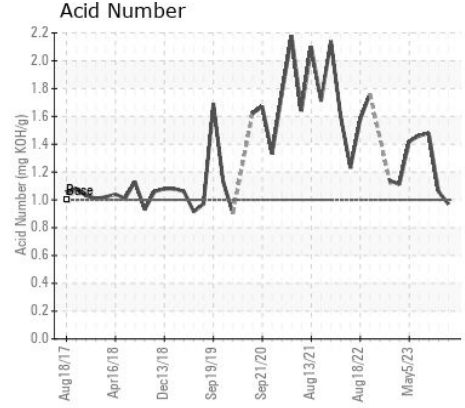
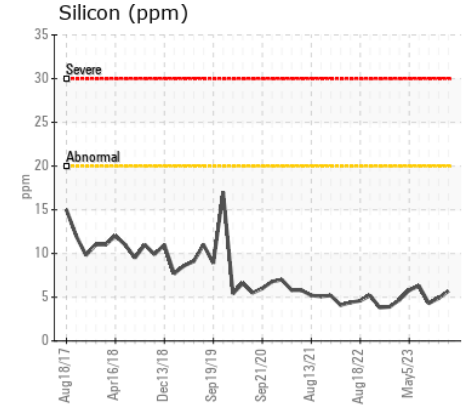
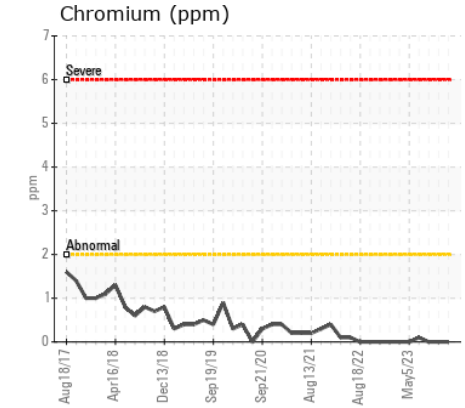
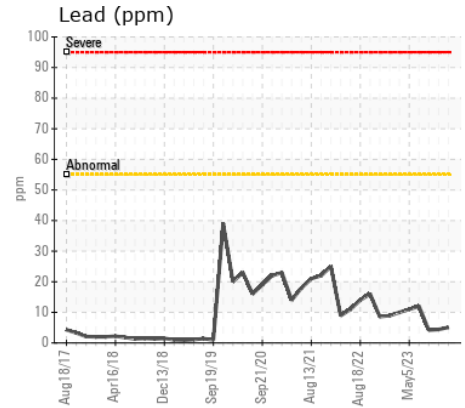
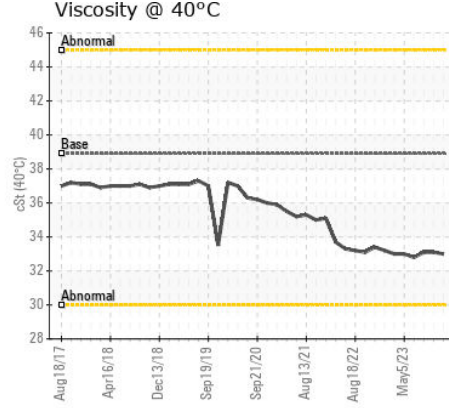
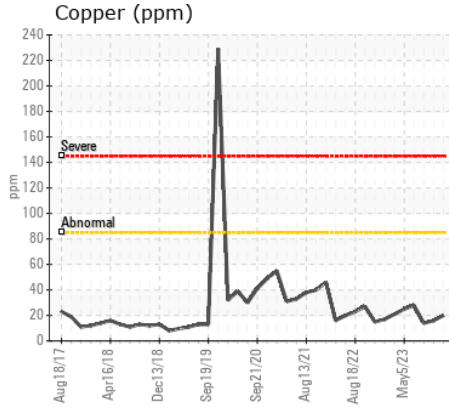
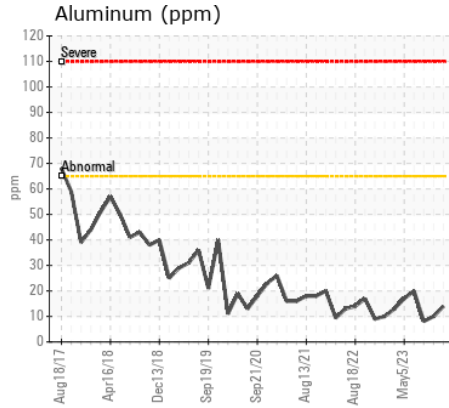
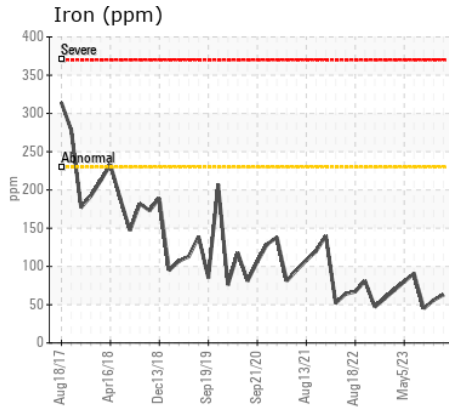
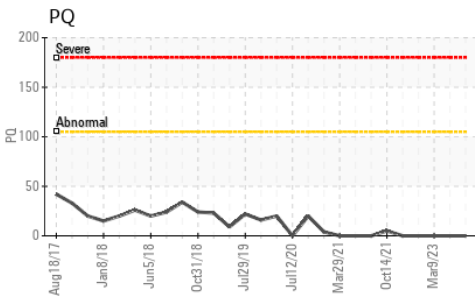
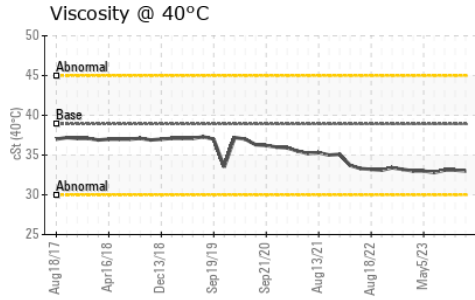
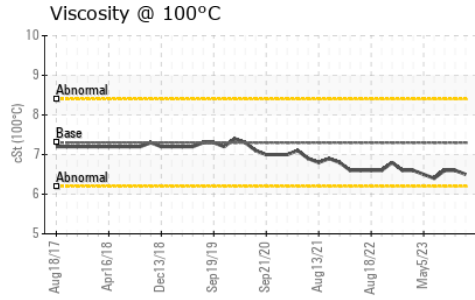
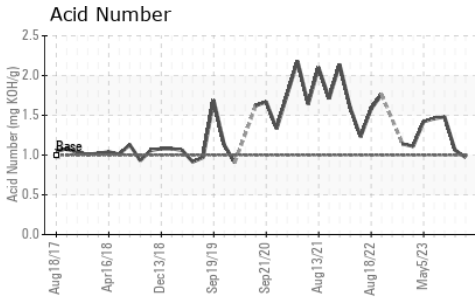
The AN level is acceptable for this fluid. The condition of the fluid is suitable for further service.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | WC0889120 | WC0889180 | WC0816355 |
| Sample Date | | Client Info | | 21 Feb 2024 | 27 Dec 2023 | 06 Oct 2023 |
| Machine Age | kms | Client Info | | 0 | 0 | 0 |
| Oil Age | kms | Client Info | | 38623 | 29631 | 19798 |
| Filter Age | kms | Client Info | | 38623 | 29631 | 19798 |
| Oil Changed | | Client Info | | Not Changd | Not Changd | Not Changd |
| Filter Changed | | Client Info | | N/A | N/A | N/A |
| Sample Status | | | | NORMAL | SEVERE | NORMAL |

| | | | | | | |
|--------------|--------|---------------|------|--------------|------|------|
| PQ | | ASTM D8184* | >105 | 0 | --- | --- |
| Iron | ppm | ASTM D5185(m) | >230 | 63 | 56 | 45 |
| Chromium | ppm | ASTM D5185(m) | >2 | 0 | 0 | 0 |
| Nickel | ppm | ASTM D5185(m) | >5 | <1 | 0 | <1 |
| Titanium | ppm | ASTM D5185(m) | >2 | 0 | 0 | 0 |
| Silver | ppm | ASTM D5185(m) | >5 | 0 | <1 | <1 |
| Aluminum | ppm | ASTM D5185(m) | >65 | 14 | 10 | 8 |
| Lead | ppm | ASTM D5185(m) | >55 | 5 | 4 | 4 |
| Copper | ppm | ASTM D5185(m) | >85 | 20 | 16 | 14 |
| Tin | ppm | ASTM D5185(m) | >5 | 2 | 1 | <1 |
| Vanadium | ppm | ASTM D5185(m) | | 0 | 0 | 0 |
| White Metal | scalar | Visual* | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | Visual* | NONE | NONE | NONE | NONE |

| | | | | | | |
|------------------|--------|---------------|-------|--------------|-------|-------|
| Silicon | ppm | ASTM D5185(m) | >20 | 6 | 5 | 4 |
| Potassium | ppm | ASTM D5185(m) | >20 | 2 | 1 | <1 |
| Water | | WC Method | >0.1 | 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* | >0.1 | NEG | NEG | NEG |

| | | | | | | |
|----------------------|----------|---------------|------|-------------|------|------|
| Sodium | ppm | ASTM D5185(m) | | 4 | 2 | 3 |
| Boron | ppm | ASTM D5185(m) | 150 | 67 | 69 | 72 |
| Barium | ppm | ASTM D5185(m) | 0 | 0 | 0 | <1 |
| Molybdenum | ppm | ASTM D5185(m) | 0 | 0 | 0 | 0 |
| Manganese | ppm | ASTM D5185(m) | | 0 | 0 | 0 |
| Magnesium | ppm | ASTM D5185(m) | 0 | 1 | 1 | <1 |
| Calcium | ppm | ASTM D5185(m) | 40 | 124 | 125 | 123 |
| Phosphorus | ppm | ASTM D5185(m) | 320 | 236 | 232 | 231 |
| Zinc | ppm | ASTM D5185(m) | 5 | 4 | 4 | 4 |
| Sulfur | ppm | ASTM D5185(m) | 1050 | 1595 | 1610 | 1721 |
| Acid Number (AN) | mg KOH/g | ASTM D974* | 1.0 | 0.97 | 1.06 | 1.48 |
| Visc @ 40°C | cSt | ASTM D7279(m) | 38.9 | 33.0 | 33.1 | 33.1 |
| Visc @ 100°C | cSt | ASTM D7279(m) | 7.3 | 6.5 | 6.6 | 6.6 |
| Viscosity Index (VI) | Scale | ASTM D2270* | 168 | 154 | 159 | 159 |



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0889120 **Received** : 04 Mar 2024
Lab Number : 02619599 **Tested** : 04 Mar 2024
Unique Number : 5736709 **Diagnosed** : 04 Mar 2024 - Wes Davis
Test Package : MOB 2 (Additional Tests: KV100, PQ, VI)

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To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.