

Area
MICHAUDVILLE

Machine Id
5031

Component
Rear Differential

Fluid
{not provided} (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the component make and model with your next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

WEAR

All component wear rates are normal.

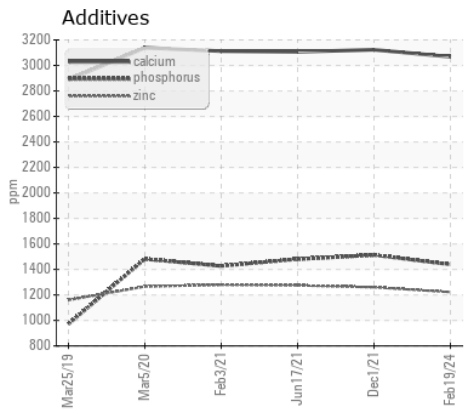
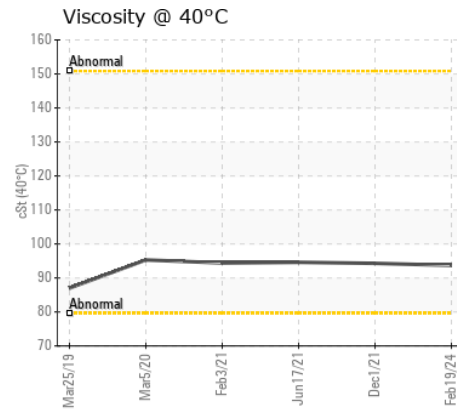
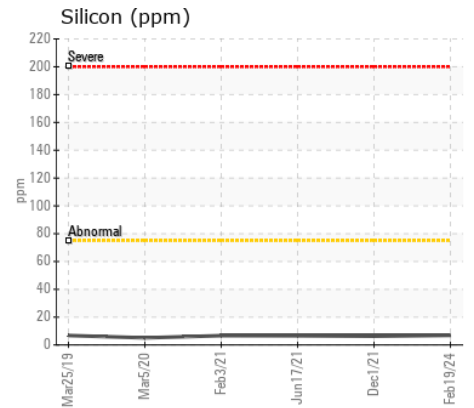
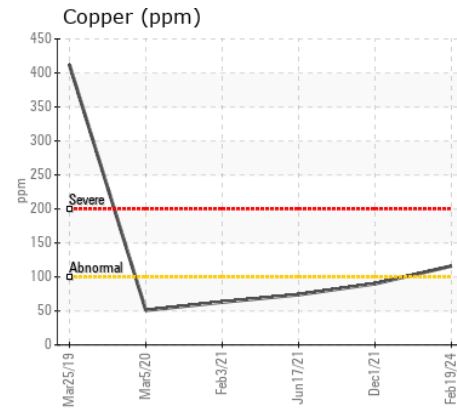
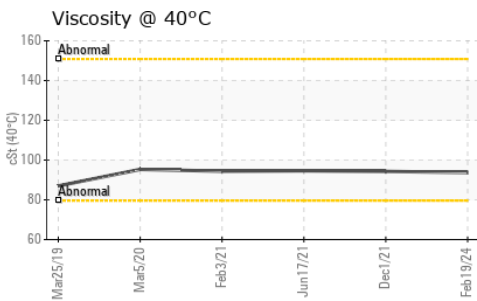
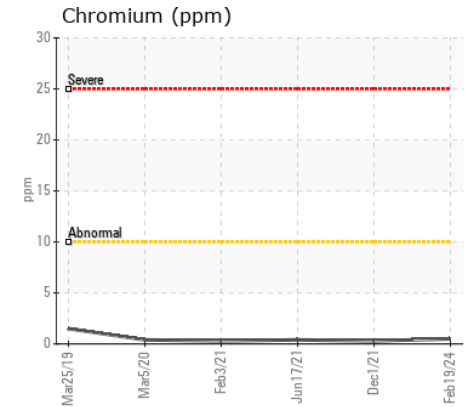
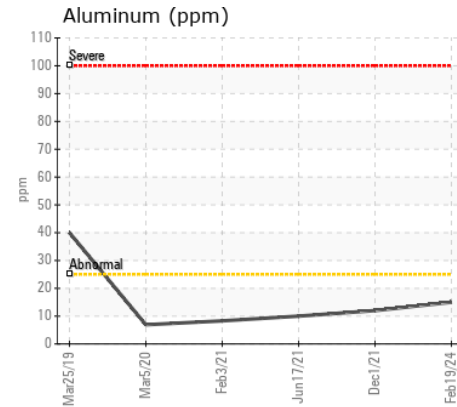
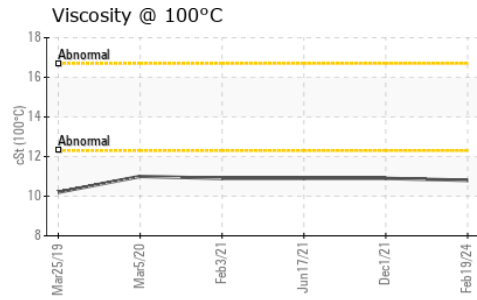
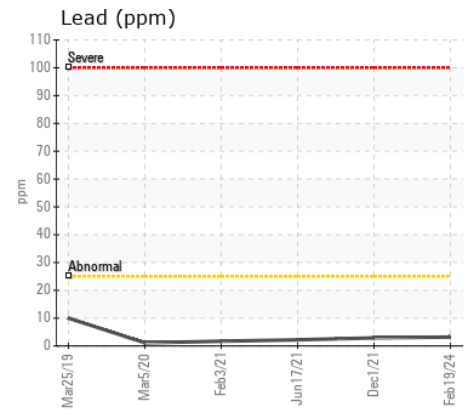
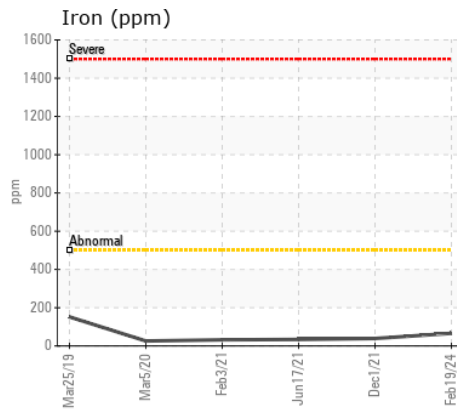
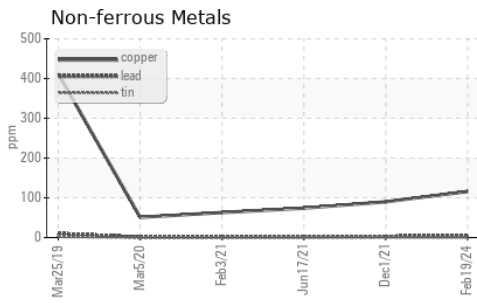
CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

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

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------------|--------|---------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | PC0083552 | PC0053364 | PC0047463 |
| Sample Date | | Client Info | | 19 Feb 2024 | 01 Dec 2021 | 17 Jun 2021 |
| Machine Age | hrs | Client Info | | 4415 | 0 | 2934 |
| Oil Age | hrs | Client Info | | 0 | 0 | 0 |
| Filter Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | N/A | N/A | N/A |
| Filter Changed | | Client Info | | N/A | N/A | N/A |
| Sample Status | | | | NORMAL | NORMAL | NORMAL |
| Iron | ppm | ASTM D5185(m) | >500 | 66 | 39 | 34 |
| Chromium | ppm | ASTM D5185(m) | >10 | <1 | <1 | <1 |
| Nickel | ppm | ASTM D5185(m) | >10 | <1 | <1 | <1 |
| Titanium | ppm | ASTM D5185(m) | | 0 | <1 | <1 |
| Silver | ppm | ASTM D5185(m) | | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185(m) | >25 | 15 | 12 | 10 |
| Lead | ppm | ASTM D5185(m) | >25 | 3 | 3 | 2 |
| Copper | ppm | ASTM D5185(m) | >100 | 116 | 90 | 74 |
| Tin | ppm | ASTM D5185(m) | >10 | 0 | <1 | <1 |
| Vanadium | ppm | ASTM D5185(m) | | 0 | 0 | 0 |
| White Metal | scalar | Visual* | NONE | NONE | NONE | LIGHT |
| Yellow Metal | scalar | Visual* | NONE | NONE | NONE | NONE |
| Silicon | ppm | ASTM D5185(m) | >75 | 7 | 6 | 7 |
| Potassium | ppm | ASTM D5185(m) | >20 | 4 | 2 | 2 |
| Water | | WC Method | >.2 | NEG | NEG | NEG |
| Silt | scalar | Visual* | NONE | NONE | NONE | NONE |
| Debris | scalar | Visual* | NONE | NONE | NONE | NONE |
| Sand/Dirt | scalar | Visual* | NONE | LIGHT | NONE | NONE |
| Appearance | scalar | Visual* | NORML | NORML | NORML | NORML |
| Odor | scalar | Visual* | NORML | NORML | NORML | NORML |
| Emulsified Water | scalar | Visual* | >.2 | NEG | NEG | NEG |
| Sodium | ppm | ASTM D5185(m) | | 8 | 2 | 2 |
| Boron | ppm | ASTM D5185(m) | | <1 | <1 | <1 |
| Barium | ppm | ASTM D5185(m) | | 0 | 0 | <1 |
| Molybdenum | ppm | ASTM D5185(m) | | 0 | <1 | 0 |
| Manganese | ppm | ASTM D5185(m) | | <1 | <1 | <1 |
| Magnesium | ppm | ASTM D5185(m) | | 12 | 11 | 12 |
| Calcium | ppm | ASTM D5185(m) | | 3068 | 3123 | 3107 |
| Phosphorus | ppm | ASTM D5185(m) | | 1439 | 1513 | 1481 |
| Zinc | ppm | ASTM D5185(m) | | 1222 | 1260 | 1275 |
| Sulfur | ppm | ASTM D5185(m) | | 9146 | 8996 | 9049 |
| Visc @ 40°C | cSt | ASTM D7279(m) | | 93.7 | 94.3 | 94.6 |
| Visc @ 100°C | cSt | ASTM D7279(m) | | 10.8 | 10.9 | 10.9 |
| Viscosity Index (VI) | Scale | ASTM D2270* | | 98 | 99 | 99 |



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0083552
Lab Number : 02616754
Unique Number : 5733864
Test Package : MOB 1 (Additional Tests: KV100, VI)

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 mtrudel@michaudville.com

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.

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F: