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



Machine Id
CATERPILLAR 256-1700
Component
Left Final Drive
Fluid
GEAR OIL ISO 220 (--- GAL)

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 oil.

FLUID CONDITION

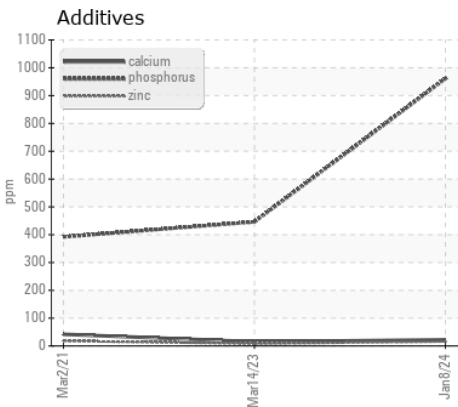
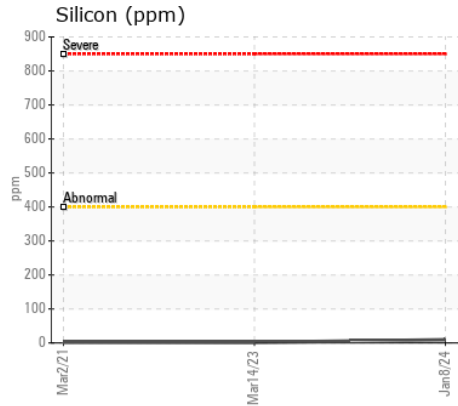
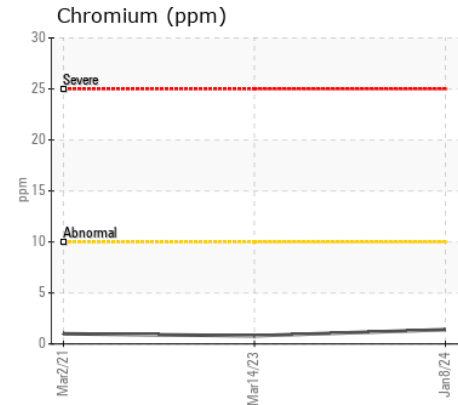
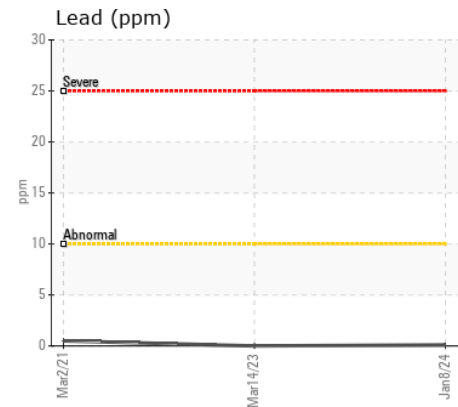
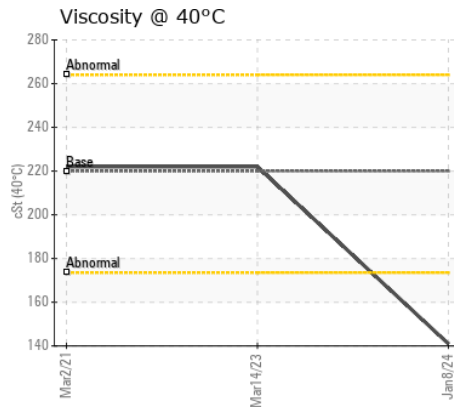
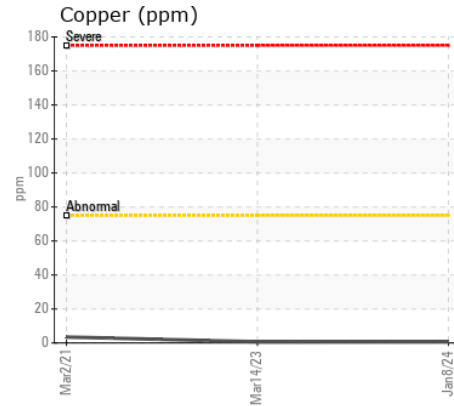
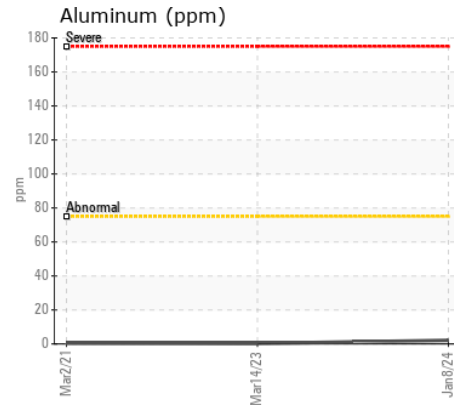
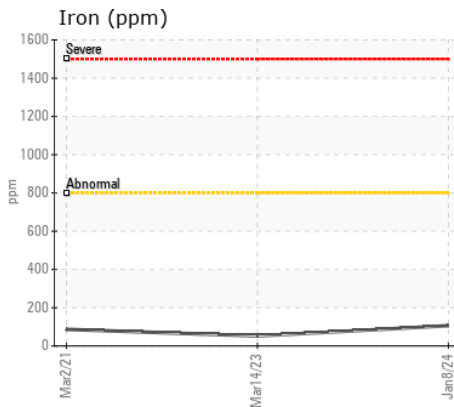
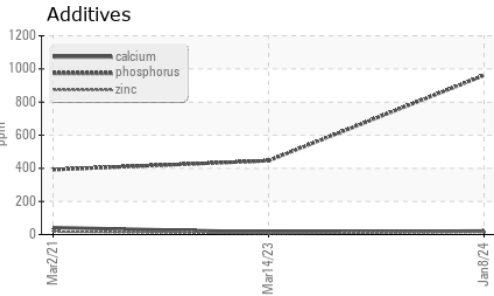
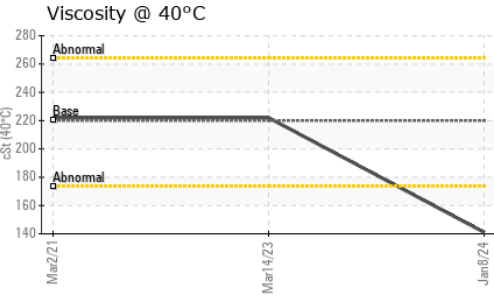
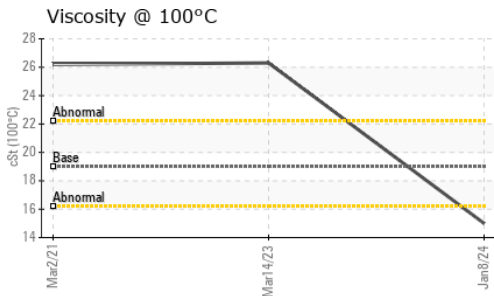
The condition of the oil is acceptable for the time in service.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | PC0072499 | PC0071411 | PC0043381 |
| Sample Date | | Client Info | | 08 Jan 2024 | 14 Mar 2023 | 02 Mar 2021 |
| Machine Age | hrs | Client Info | | 5195 | 4551 | 3070 |
| Oil Age | hrs | Client Info | | 0 | 756 | 818 |
| Filter Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | N/A | Changed | Changed |
| Filter Changed | | Client Info | | N/A | Changed | Changed |
| Sample Status | | | | NORMAL | NORMAL | NORMAL |

| | | | | | | |
|--------------|--------|---------------|------|--------------|------|-------|
| Iron | ppm | ASTM D5185(m) | >800 | 106 | 52 | 87 |
| Chromium | ppm | ASTM D5185(m) | >10 | 1 | <1 | 1 |
| Nickel | ppm | ASTM D5185(m) | >5 | <1 | <1 | <1 |
| Titanium | ppm | ASTM D5185(m) | >15 | 0 | 0 | 0 |
| Silver | ppm | ASTM D5185(m) | >2 | 0 | 0 | <1 |
| Aluminum | ppm | ASTM D5185(m) | >75 | 2 | <1 | <1 |
| Lead | ppm | ASTM D5185(m) | >10 | <1 | 0 | <1 |
| Copper | ppm | ASTM D5185(m) | >75 | <1 | <1 | 4 |
| Tin | ppm | ASTM D5185(m) | >8 | 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) | >400 | 9 | 2 | 2 |
| Potassium | ppm | ASTM D5185(m) | >20 | 1 | <1 | <1 |
| Water | | WC Method | >0.2 | NEG | NEG | NEG |
| Silt | scalar | Visual* | NONE | NONE | MODER | LIGHT |
| Debris | scalar | Visual* | NONE | VLITE | 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 |

| | | | | | | |
|----------------------|-------|---------------|-------|--------------|------|------|
| Sodium | ppm | ASTM D5185(m) | | <1 | <1 | <1 |
| Boron | ppm | ASTM D5185(m) | 50 | 229 | 25 | 11 |
| Barium | ppm | ASTM D5185(m) | 15 | 0 | 0 | <1 |
| Molybdenum | ppm | ASTM D5185(m) | 15 | 0 | 0 | <1 |
| Manganese | ppm | ASTM D5185(m) | | 1 | 1 | 1 |
| Magnesium | ppm | ASTM D5185(m) | 50 | 8 | <1 | <1 |
| Calcium | ppm | ASTM D5185(m) | 50 | 22 | 15 | 42 |
| Phosphorus | ppm | ASTM D5185(m) | 350 | 961 | 446 | 392 |
| Zinc | ppm | ASTM D5185(m) | 100 | 16 | 8 | 18 |
| Sulfur | ppm | ASTM D5185(m) | 12500 | 16906 | 4975 | 5237 |
| Visc @ 40°C | cSt | ASTM D7279(m) | 220 | 141 | 222 | 222 |
| Visc @ 100°C | cSt | ASTM D7279(m) | 19.0 | 15.0 | 26.3 | 26.2 |
| Viscosity Index (VI) | Scale | ASTM D2270* | 96 | 107 | 151 | 150 |



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0072499 **Received** : 12 Jan 2024
Lab Number : 02608584 **Diagnosed** : 12 Jan 2024
Unique Number : 5709670 **Diagnostician** : Wes Davis
Test Package : MOB 1 (Additional Tests: KV100, 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.