



OIL ANALYSIS REPORT

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

Machine Id
MINECAT MC100G FMC027
Component
Diesel Engine
Fluid
SHELL 15W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|----------|
| Sample Number | | Client Info | | WC0886131 | WC0826242 | --- |
| Sample Date | | Client Info | | 02 Jan 2024 | 22 Jul 2023 | --- |
| Machine Age | hrs | Client Info | | 5382 | 5042 | --- |
| Oil Age | hrs | Client Info | | 100 | 250 | --- |
| Filter Age | hrs | Client Info | | 100 | 250 | --- |
| Oil Changed | | Client Info | | Changed | N/A | --- |
| Filter Changed | | Client Info | | Changed | N/A | --- |
| Sample Status | | | | NORMAL | NORMAL | --- |

WEAR

All component wear rates are normal.

| | | | | | | |
|----------|-----|---------------|------|--------------|----|-----|
| Iron | ppm | ASTM D5185(m) | >100 | 9 | 20 | --- |
| Chromium | ppm | ASTM D5185(m) | >20 | <1 | <1 | --- |
| Nickel | ppm | ASTM D5185(m) | >4 | <1 | <1 | --- |
| Titanium | ppm | ASTM D5185(m) | | 0 | 0 | --- |
| Silver | ppm | ASTM D5185(m) | >3 | <1 | 0 | --- |
| Aluminum | ppm | ASTM D5185(m) | >20 | 2 | 2 | --- |
| Lead | ppm | ASTM D5185(m) | >40 | 0 | 0 | --- |
| Copper | ppm | ASTM D5185(m) | >330 | <1 | 1 | --- |
| Tin | ppm | ASTM D5185(m) | >15 | 0 | 0 | --- |
| Vanadium | ppm | ASTM D5185(m) | | 0 | 0 | --- |

CONTAMINATION

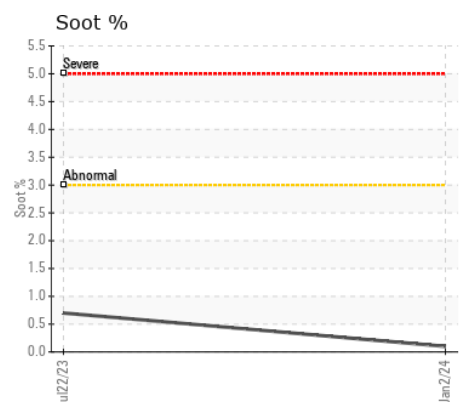
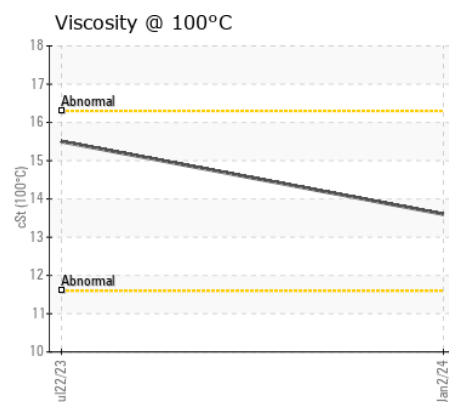
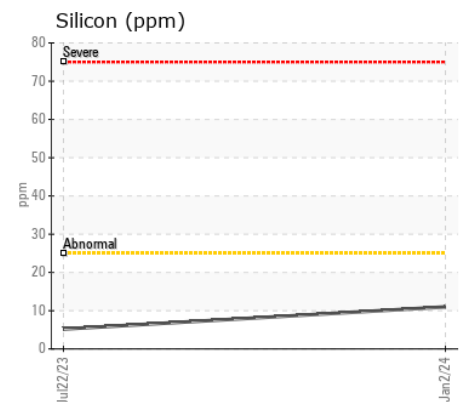
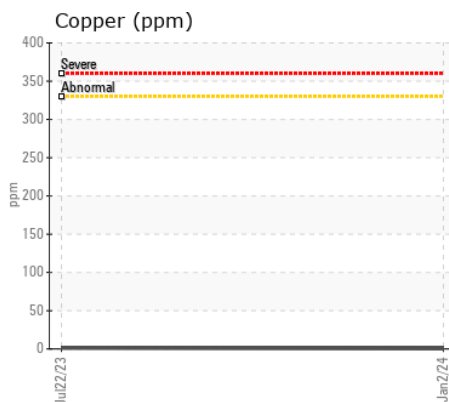
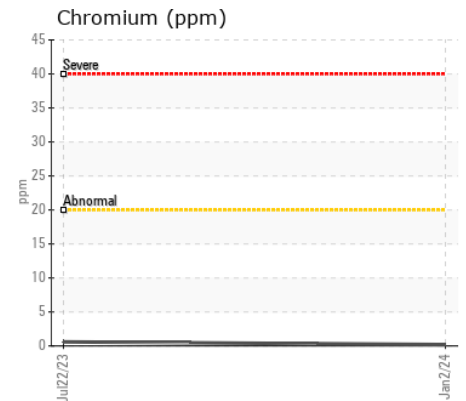
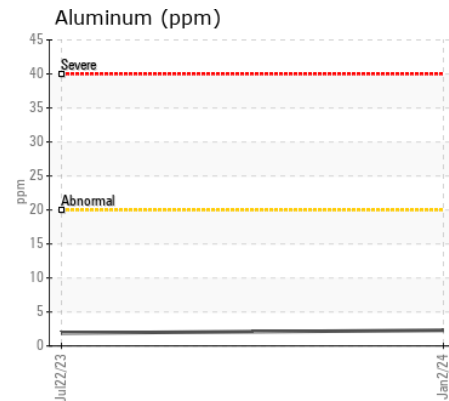
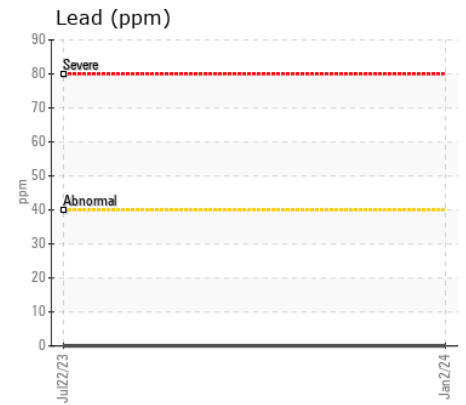
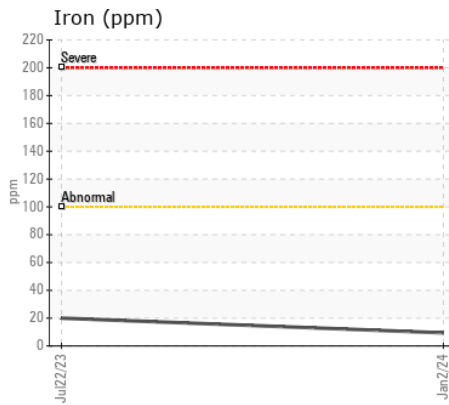
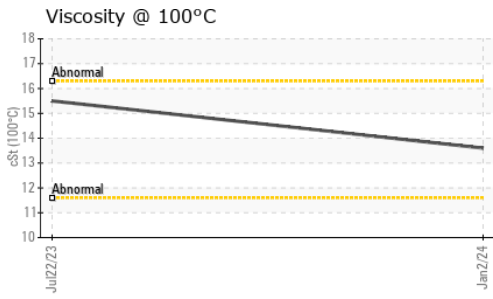
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|----------|---------------|------|----------------|------|-----|
| Silicon | ppm | ASTM D5185(m) | >25 | 11 | 5 | --- |
| Potassium | ppm | ASTM D5185(m) | >20 | 1 | 8 | --- |
| Fuel | | WC Method | >5 | <1.0 | <1.0 | --- |
| Water | | WC Method | >0.2 | NEG | NEG | --- |
| Glycol | | WC Method | | NEG | NEG | --- |
| Soot % | % | ASTM D7844* | >3 | 0.1 | 0.7 | --- |
| Nitration | Abs/cm | ASTM D7624* | >20 | 6.5 | 9.6 | --- |
| Sulfation | Abs/.1mm | ASTM D7415* | >30 | 22.4 | 24.1 | --- |
| Emulsified Water | scalar | Visual* | >0.2 | NEG | NEG | --- |

FLUID CONDITION

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

| | | | | | | |
|--------------|----------|---------------|------|-------------|------|-----|
| Sodium | ppm | ASTM D5185(m) | >150 | 4 | 6 | --- |
| Boron | ppm | ASTM D5185(m) | | 53 | 138 | --- |
| Barium | ppm | ASTM D5185(m) | | 0 | 0 | --- |
| Molybdenum | ppm | ASTM D5185(m) | | 39 | 12 | --- |
| Manganese | ppm | ASTM D5185(m) | | 0 | <1 | --- |
| Magnesium | ppm | ASTM D5185(m) | | 490 | 54 | --- |
| Calcium | ppm | ASTM D5185(m) | | 1719 | 2669 | --- |
| Phosphorus | ppm | ASTM D5185(m) | | 752 | 1116 | --- |
| Zinc | ppm | ASTM D5185(m) | | 876 | 1295 | --- |
| Sulfur | ppm | ASTM D5185(m) | | 2208 | 2893 | --- |
| Oxidation | Abs/.1mm | ASTM D7414* | >25 | 20.9 | 18.3 | --- |
| Visc @ 100°C | cSt | ASTM D7279(m) | | 13.6 | 15.5 | --- |



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0886131 **Received** : 04 Jan 2024
Lab Number : 02606510 **Diagnosed** : 05 Jan 2024
Unique Number : 5707596 **Diagnostician** : Wes Davis
Test Package : MOB 1

Agnico Eagle Canada
 1350 Government Rd. W, MACASSA COMPLEX
 Kirkland Lake, ON
 CA P2N 3J1
 Contact: Mike Campbell
 mike.campbell@agnicoeagle.com
 T: (705)567-5208
 F: (705)567-5221

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.