



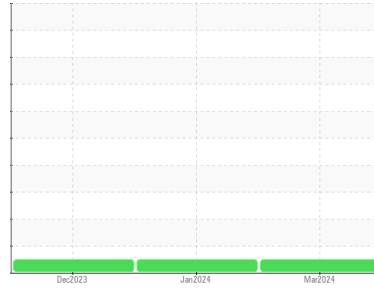
# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**CATERPILLAR 740GL HDTR0836**  
Component  
**Front Axle**  
Fluid  
**MOBIL TO 4 30 (--- GAL)**



## DIAGNOSIS

### 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.

## SAMPLE INFORMATION

|               | method      | limit/base  | current            | history1    | history2    |
|---------------|-------------|-------------|--------------------|-------------|-------------|
| Sample Number | Client Info |             | <b>WC0904163</b>   | WC0892461   | WC0879753   |
| Sample Date   | Client Info |             | <b>04 Mar 2024</b> | 27 Jan 2024 | 18 Dec 2023 |
| Machine Age   | hrs         | Client Info | <b>2229</b>        | 1556        | 725         |
| Oil Age       | hrs         | Client Info | <b>0</b>           | 0           | 0           |
| Oil Changed   | Client Info |             | <b>Changed</b>     | Not Changd  | Not Changd  |
| Sample Status |             |             | <b>NORMAL</b>      | NORMAL      | NORMAL      |

## CONTAMINATION

|       | method    | limit/base | current    | history1 | history2 |
|-------|-----------|------------|------------|----------|----------|
| Water | WC Method | >0.2       | <b>NEG</b> | NEG      | NEG      |

## WEAR METALS

|           | method | limit/base    | current | history1     | history2 |    |
|-----------|--------|---------------|---------|--------------|----------|----|
| Iron      | ppm    | ASTM D5185(m) | >500    | <b>100</b>   | 53       | 71 |
| Chromium  | ppm    | ASTM D5185(m) | >10     | <b>1</b>     | <1       | <1 |
| Nickel    | ppm    | ASTM D5185(m) | >10     | <b>&lt;1</b> | <1       | <1 |
| Titanium  | ppm    | ASTM D5185(m) |         | <b>0</b>     | 0        | 0  |
| Silver    | ppm    | ASTM D5185(m) |         | <b>0</b>     | 0        | 0  |
| Aluminum  | ppm    | ASTM D5185(m) | >25     | <b>2</b>     | 3        | 2  |
| Lead      | ppm    | ASTM D5185(m) | >25     | <b>&lt;1</b> | <1       | <1 |
| Copper    | ppm    | ASTM D5185(m) | >50     | <b>20</b>    | 11       | 13 |
| Tin       | ppm    | ASTM D5185(m) | >10     | <b>0</b>     | 0        | 0  |
| Antimony  | ppm    | ASTM D5185(m) | >5      | <b>0</b>     | 0        | 0  |
| Vanadium  | ppm    | ASTM D5185(m) |         | <b>0</b>     | 0        | 0  |
| Beryllium | ppm    | ASTM D5185(m) |         | <b>0</b>     | 0        | 0  |
| Cadmium   | ppm    | ASTM D5185(m) |         | <b>0</b>     | 0        | 0  |

## ADDITIVES

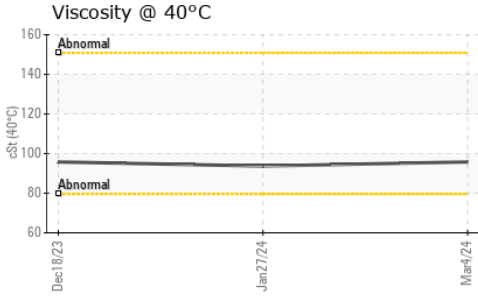
|            | method | limit/base    | current | history1     | history2 |      |
|------------|--------|---------------|---------|--------------|----------|------|
| Boron      | ppm    | ASTM D5185(m) |         | <b>1</b>     | 143      | <1   |
| Barium     | ppm    | ASTM D5185(m) |         | <b>&lt;1</b> | 0        | <1   |
| Molybdenum | ppm    | ASTM D5185(m) |         | <b>1</b>     | 0        | 2    |
| Manganese  | ppm    | ASTM D5185(m) |         | <b>1</b>     | 0        | <1   |
| Magnesium  | ppm    | ASTM D5185(m) |         | <b>8</b>     | 5        | 9    |
| Calcium    | ppm    | ASTM D5185(m) |         | <b>3209</b>  | 732      | 3248 |
| Phosphorus | ppm    | ASTM D5185(m) |         | <b>1066</b>  | 1057     | 1045 |
| Zinc       | ppm    | ASTM D5185(m) |         | <b>1245</b>  | 219      | 1215 |
| Sulfur     | ppm    | ASTM D5185(m) |         | <b>7886</b>  | 19400    | 7325 |
| Lithium    | ppm    | ASTM D5185(m) |         | <b>&lt;1</b> | <1       | <1   |

## CONTAMINANTS

|           | method | limit/base    | current | history1  | history2 |    |
|-----------|--------|---------------|---------|-----------|----------|----|
| Silicon   | ppm    | ASTM D5185(m) | >75     | <b>21</b> | 15       | 18 |
| Sodium    | ppm    | ASTM D5185(m) |         | <b>1</b>  | 2        | 1  |
| Potassium | ppm    | ASTM D5185(m) | >20     | <b>2</b>  | 3        | 1  |



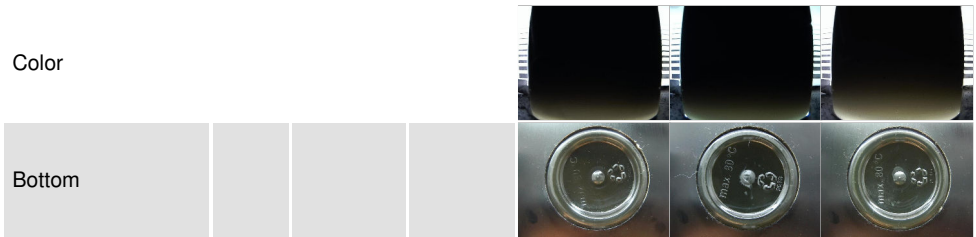
# OIL ANALYSIS REPORT



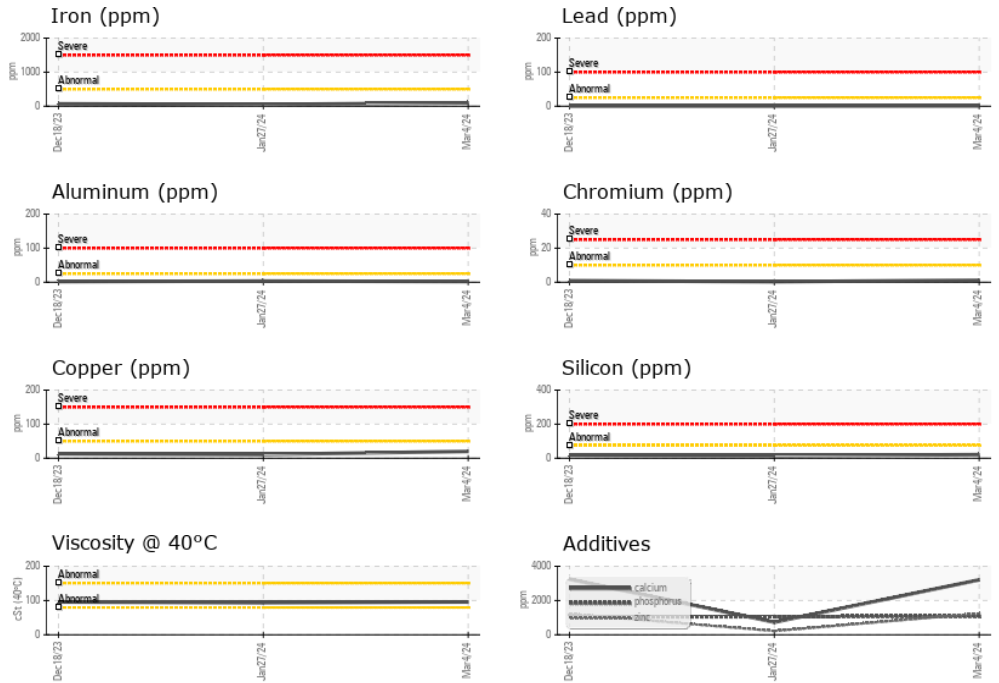
| VISUAL           | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| White Metal      | scalar | Visual*    | NONE    | NONE     | NONE     |
| Yellow Metal     | scalar | Visual*    | NONE    | NONE     | NONE     |
| Precipitate      | scalar | Visual*    | NONE    | NONE     | NONE     |
| Silt             | scalar | Visual*    | NONE    | NONE     | NONE     |
| Debris           | scalar | Visual*    | NONE    | NONE     | NONE     |
| Sand/Dirt        | scalar | Visual*    | NONE    | NONE     | NONE     |
| Appearance       | scalar | Visual*    | NORML   | NORML    | NORML    |
| Odor             | scalar | Visual*    | NORML   | NORML    | NORML    |
| Emulsified Water | scalar | Visual*    | >0.2    | NEG      | NEG      |
| Free Water       | scalar | Visual*    |         | NEG      | NEG      |

| FLUID PROPERTIES | method | limit/base    | current     | history1 | history2 |
|------------------|--------|---------------|-------------|----------|----------|
| Visc @ 40°C      | cSt    | ASTM D7279(m) | <b>95.8</b> | 93.7     | 95.8     |

| SAMPLE IMAGES | method | limit/base | current | history1 | history2 |
|---------------|--------|------------|---------|----------|----------|
|---------------|--------|------------|---------|----------|----------|



## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0904163  
**Lab Number** : **02621560**  
**Unique Number** : 5746679  
**Test Package** : MOB 1

**Agnico Eagle Canada**  
 1350 Government Rd. W, MACASSA COMPLEX  
 Kirkland Lake, ON  
 CA P2N 3J1  
 Contact: Mitch Lamontagne

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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