



# OIL ANALYSIS REPORT

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

Area

[20087896]

Machine Id

HAYWARD GORDON AGT 1215 #3 CIP GEARBOX

Component

Gearbox

Fluid

Mobilgear 629 (60 GAL)

## RECOMMENDATION

Resample at the next service interval to monitor.

| Test           | UOM  | Method      | Limit/Abn | Current     | History1    | History2    |
|----------------|------|-------------|-----------|-------------|-------------|-------------|
| Sample Number  |      | Client Info |           | WC          | WC0848166   | WC0820146   |
| Sample Date    |      | Client Info |           | 30 Mar 2024 | 03 Dec 2023 | 02 Sep 2023 |
| Machine Age    | mths | Client Info |           | 0           | 0           | 0           |
| Oil Age        | mths | Client Info |           | 0           | 0           | 0           |
| Filter Age     | mths | Client Info |           | 0           | 0           | 0           |
| Oil Changed    |      | Client Info |           | N/A         | N/A         | Not Changd  |
| Filter Changed |      | Client Info |           | N/A         | N/A         | N/A         |
| Sample Status  |      |             |           | NORMAL      | NORMAL      | ABNORMAL    |

## WEAR

All component wear rates are normal.

|              |        |               |      |      |      |      |
|--------------|--------|---------------|------|------|------|------|
| Iron         | ppm    | ASTM D5185(m) | >200 | 6    | 7    | 10   |
| Chromium     | ppm    | ASTM D5185(m) | >10  | 0    | 0    | 1    |
| Nickel       | ppm    | ASTM D5185(m) | >10  | 0    | 0    | 0    |
| Titanium     | ppm    | ASTM D5185(m) |      | 0    | 0    | 0    |
| Silver       | ppm    | ASTM D5185(m) |      | 0    | 0    | 0    |
| Aluminum     | ppm    | ASTM D5185(m) | >25  | 0    | <1   | <1   |
| Lead         | ppm    | ASTM D5185(m) | >50  | 0    | 0    | <1   |
| Copper       | ppm    | ASTM D5185(m) | >200 | 0    | <1   | <1   |
| Tin          | ppm    | ASTM D5185(m) | >10  | 0    | 0    | 0    |
| Vanadium     | ppm    | ASTM D5185(m) |      | 0    | 0    | 0    |
| White Metal  | scalar | Visual*       | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | Visual*       | NONE | NONE | NONE | NONE |

## CONTAMINATION

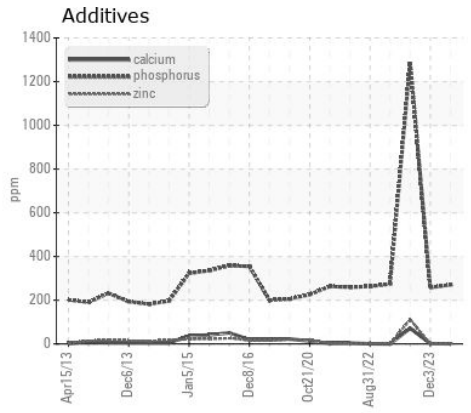
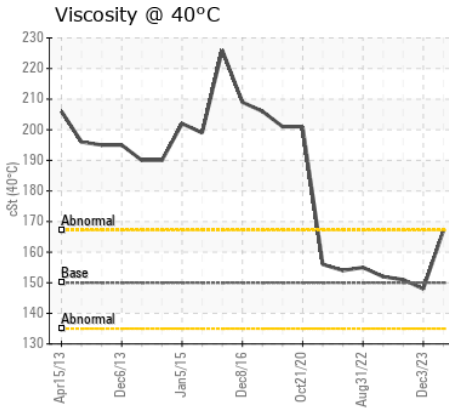
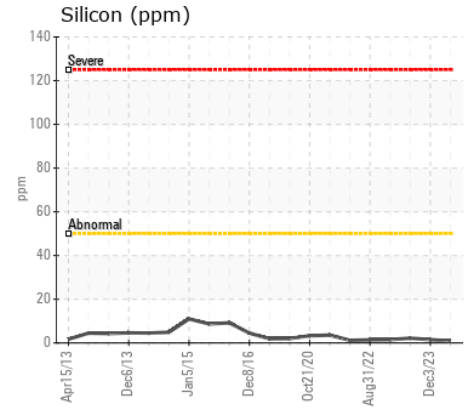
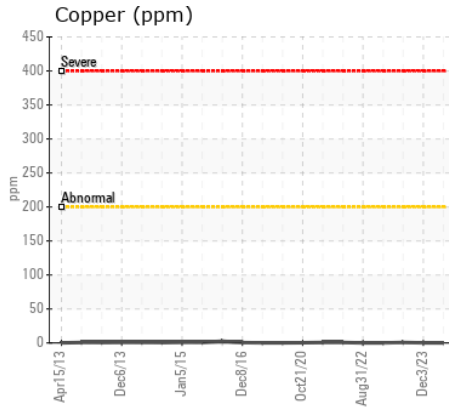
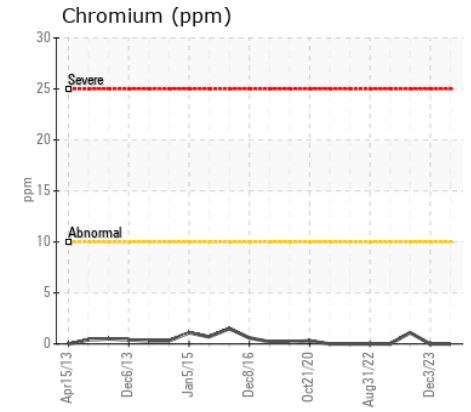
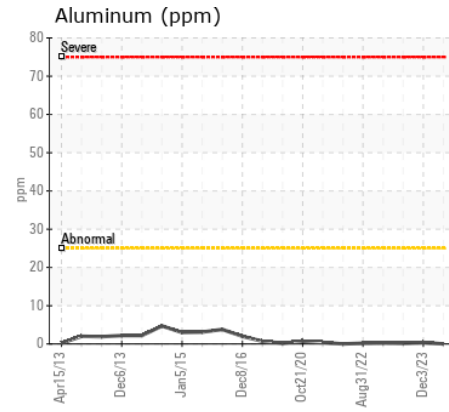
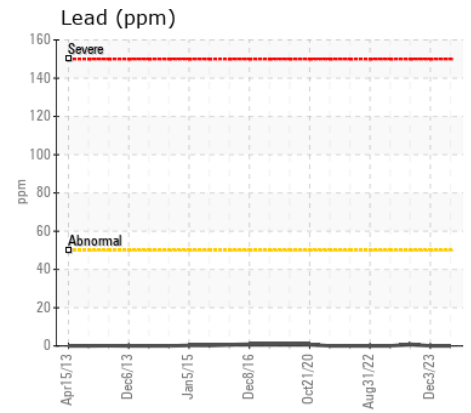
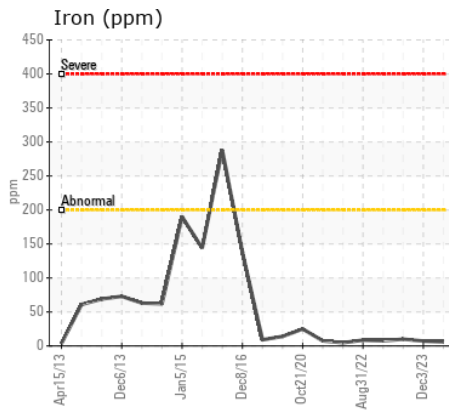
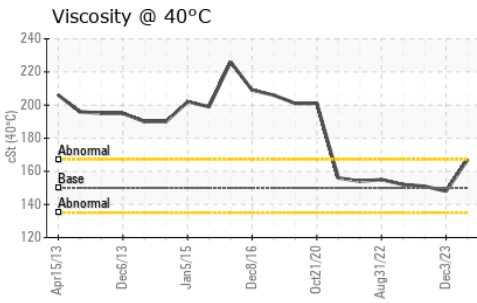
There is no indication of any contamination in the oil.

|                  |        |               |       |       |       |       |
|------------------|--------|---------------|-------|-------|-------|-------|
| Silicon          | ppm    | ASTM D5185(m) | >50   | <1    | 2     | 2     |
| Potassium        | ppm    | ASTM D5185(m) | >20   | <1    | 0     | <1    |
| Water            |        | WC Method     | >0.2  | NEG   | NEG   | NEG   |
| Silt             | scalar | Visual*       | NONE  | NONE  | NONE  | VLITE |
| 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*       | >0.2  | NEG   | NEG   | NEG   |

## FLUID CONDITION

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

|             |     |               |     |      |      |       |
|-------------|-----|---------------|-----|------|------|-------|
| Sodium      | ppm | ASTM D5185(m) |     | <1   | <1   | <1    |
| Boron       | ppm | ASTM D5185(m) |     | 23   | 20   | 261   |
| Barium      | ppm | ASTM D5185(m) |     | 0    | 0    | 0     |
| Molybdenum  | ppm | ASTM D5185(m) |     | 0    | 0    | 0     |
| Manganese   | ppm | ASTM D5185(m) |     | 0    | 0    | 0     |
| Magnesium   | ppm | ASTM D5185(m) |     | <1   | <1   | 2     |
| Calcium     | ppm | ASTM D5185(m) |     | <1   | 1    | 72    |
| Phosphorus  | ppm | ASTM D5185(m) |     | 271  | 258  | 1288  |
| Zinc        | ppm | ASTM D5185(m) |     | 2    | 2    | 111   |
| Sulfur      | ppm | ASTM D5185(m) |     | 6018 | 5551 | 19078 |
| Visc @ 40°C | cSt | ASTM D7279(m) | 150 | 167  | 148  | ▲ 151 |



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC  
**Lab Number** : 02627949  
**Unique Number** : 5761081  
**Test Package** : MOB 1

**Received** : 10 Apr 2024  
**Tested** : 10 Apr 2024  
**Diagnosed** : 10 Apr 2024 - Wes Davis

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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.