



# OIL ANALYSIS REPORT

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

Machine Id  
**JOHN DEERE 6130R**  
 Component  
**Hydraulic System**  
 Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor. Please contact your representative for information regarding the proper sampling kits for your service. NOTE: We recommend using MOB 2 test kits, this testkit includes Particle Count to determine the ISO cleanliness of the fluid.

| Test           | UOM | Method      | Limit/Abn | Current     | History1 | History2 |
|----------------|-----|-------------|-----------|-------------|----------|----------|
| Sample Number  |     | Client Info |           | WC0741945   | ---      | ---      |
| Sample Date    |     | Client Info |           | 01 Mar 2023 | ---      | ---      |
| Machine Age    | hrs | Client Info |           | 1910        | ---      | ---      |
| Oil Age        | hrs | Client Info |           | 0           | ---      | ---      |
| Filter Age     | hrs | Client Info |           | 0           | ---      | ---      |
| Oil Changed    |     | Client Info |           | Not Chngd   | ---      | ---      |
| Filter Changed |     | Client Info |           | Not Chngd   | ---      | ---      |
| Sample Status  |     |             |           | NORMAL      | ---      | ---      |

## WEAR

All component wear rates are normal.

|              |        |               |      |      |     |     |
|--------------|--------|---------------|------|------|-----|-----|
| PQ           |        | ASTM D8184*   |      | 0    | --- | --- |
| Iron         | ppm    | ASTM D5185(m) | >20  | 22   | --- | --- |
| Chromium     | ppm    | ASTM D5185(m) | >10  | <1   | --- | --- |
| Nickel       | ppm    | ASTM D5185(m) | >10  | <1   | --- | --- |
| Titanium     | ppm    | ASTM D5185(m) |      | <1   | --- | --- |
| Silver       | ppm    | ASTM D5185(m) |      | 0    | --- | --- |
| Aluminum     | ppm    | ASTM D5185(m) | >10  | 1    | --- | --- |
| Lead         | ppm    | ASTM D5185(m) | >10  | 2    | --- | --- |
| Copper       | ppm    | ASTM D5185(m) | >75  | 9    | --- | --- |
| Tin          | ppm    | ASTM D5185(m) | >10  | <1   | --- | --- |
| Vanadium     | ppm    | ASTM D5185(m) |      | 0    | --- | --- |
| White Metal  | scalar | Visual*       | NONE | NONE | --- | --- |
| Yellow Metal | scalar | Visual*       | NONE | NONE | --- | --- |

## CONTAMINATION

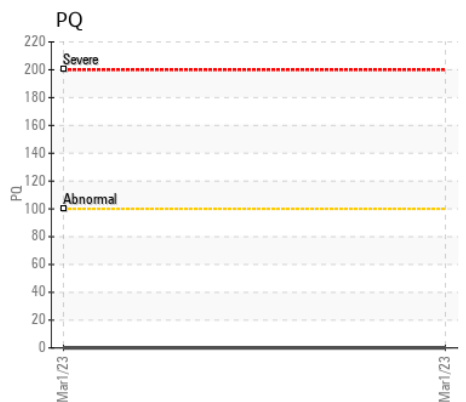
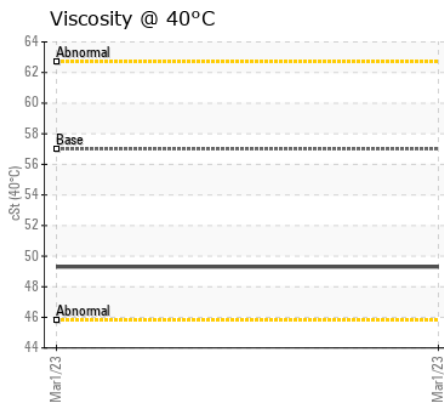
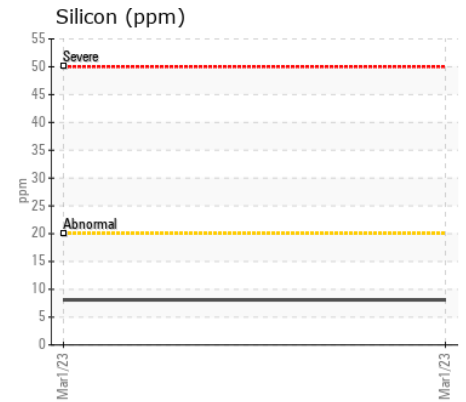
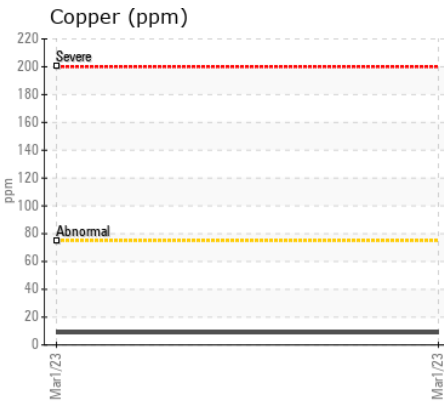
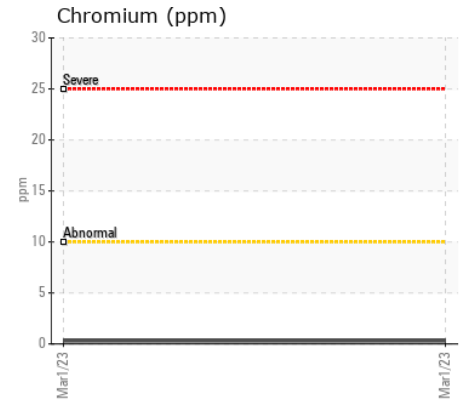
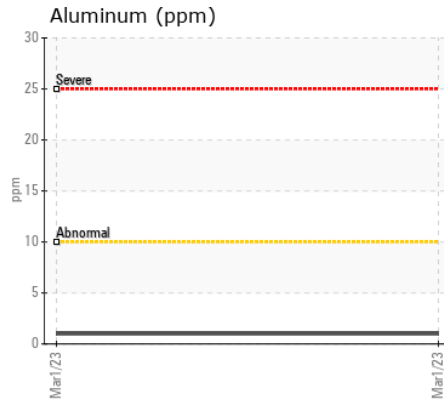
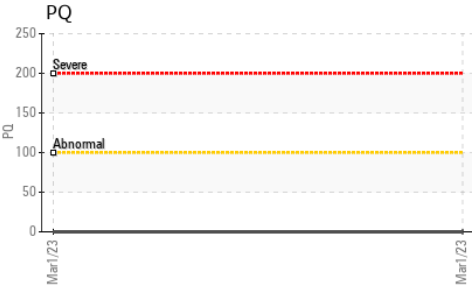
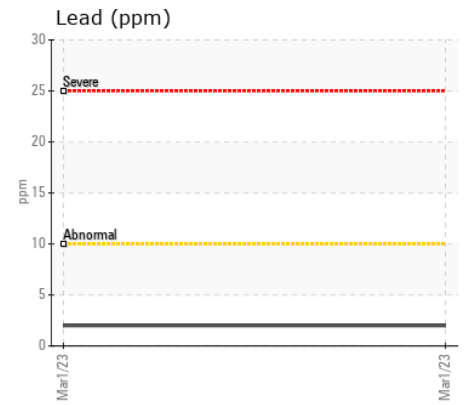
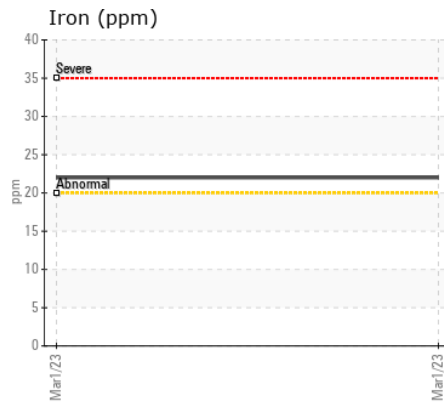
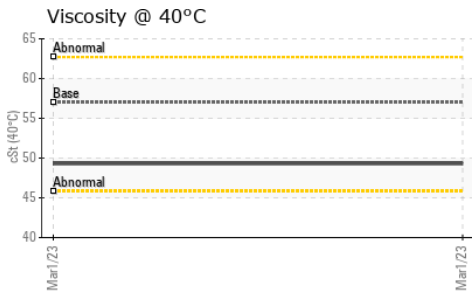
There is no indication of any contamination in the component(unconfirmed).

|                  |        |               |       |       |     |     |
|------------------|--------|---------------|-------|-------|-----|-----|
| Silicon          | ppm    | ASTM D5185(m) | >20   | 8     | --- | --- |
| Potassium        | ppm    | ASTM D5185(m) | >20   | 1     | --- | --- |
| Water            |        | WC Method     | >0.1  | NEG   | --- | --- |
| Silt             | scalar | Visual*       | NONE  | NONE  | --- | --- |
| Debris           | scalar | Visual*       | NONE  | NONE  | --- | --- |
| Sand/Dirt        | scalar | Visual*       | NONE  | NONE  | --- | --- |
| Appearance       | scalar | Visual*       | NORML | NORML | --- | --- |
| Odor             | scalar | Visual*       | NORML | NORML | --- | --- |
| Emulsified Water | scalar | Visual*       | >0.1  | NEG   | --- | --- |

## FLUID CONDITION

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

|             |     |               |      |      |     |     |
|-------------|-----|---------------|------|------|-----|-----|
| Sodium      | ppm | ASTM D5185(m) |      | 2    | --- | --- |
| Boron       | ppm | ASTM D5185(m) | 6    | 28   | --- | --- |
| Barium      | ppm | ASTM D5185(m) | 0    | 0    | --- | --- |
| Molybdenum  | ppm | ASTM D5185(m) | 0    | 6    | --- | --- |
| Manganese   | ppm | ASTM D5185(m) |      | <1   | --- | --- |
| Magnesium   | ppm | ASTM D5185(m) | 145  | 58   | --- | --- |
| Calcium     | ppm | ASTM D5185(m) | 3570 | 2574 | --- | --- |
| Phosphorus  | ppm | ASTM D5185(m) | 1290 | 991  | --- | --- |
| Zinc        | ppm | ASTM D5185(m) | 1640 | 1015 | --- | --- |
| Sulfur      | ppm | ASTM D5185(m) |      | 4009 | --- | --- |
| Visc @ 40°C | cSt | ASTM D7279(m) | 57.0 | 49.3 | --- | --- |



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0741945 **Received** : 10 Mar 2023  
**Lab Number** : 02544333 **Tested** : 10 Mar 2023  
**Unique Number** : 5541338 **Diagnosed** : 13 Mar 2023 - Kevin Marson  
**Test Package** : MOB 1 ( Additional Tests: PQ )

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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.