



# CONSTRUCTION EQUIPMENT

## JOHN DEERE 544K 653783 - TRANSMISSION (AUTO)



**Sample No:** VCP452245  
**Oil Type:** JOHN DEERE HY-GARD HYD/TRANS  
**Job No:**



### SAMPLE INFORMATION

|               |                    |             |     |     |
|---------------|--------------------|-------------|-----|-----|
| Sample Number | <b>VCP452245</b>   | VCP409296   | --- | --- |
| Sample Date   | <b>25 Jan 2024</b> | 10 Feb 2023 | --- | --- |
| Machine Hours | <b>19961</b>       | 19493       | --- | --- |
| Oil Hours     | <b>0</b>           | 1000        | --- | --- |
| Oil Changed   | <b>N/A</b>         | Changed     | --- | --- |
| Sample Status | <b>ATTENTION</b>   | NORMAL      | --- | --- |

**OLDCASTLE LAWN AND GARDEN**  
 2427 RWS RANCH RD  
 DAVENPORT, FL  
 US 33837  
 Contact: DAVID ORTIZ  
 david.ortiz@oldcastle.com  
 T: (800)833-2984  
 F: (863)421-1776



### OIL CONDITION

|             |     |               |        |     |     |
|-------------|-----|---------------|--------|-----|-----|
| Visc @ 40°C | cSt | <b>▲ 28.1</b> | ■ 38.2 | --- | --- |
|-------------|-----|---------------|--------|-----|-----|



### CONTAMINATION

|           |     |            |     |     |     |
|-----------|-----|------------|-----|-----|-----|
| Water     | %   | <b>NEG</b> | NEG | --- | --- |
| Silicon   | ppm | ■ <b>3</b> | ■ 8 | --- | --- |
| Sodium    | ppm | ■ <b>0</b> | ■ 2 | --- | --- |
| Potassium | ppm | ■ <b>2</b> | ■ 0 | --- | --- |

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. The fluid viscosity is lower than normal. Additive levels indicate the addition of a different brand, or type of fluid. Confirm oil type.



### WEAR METALS

|            |     |                |      |     |     |
|------------|-----|----------------|------|-----|-----|
| Iron       | ppm | ■ <b>20</b>    | ■ 55 | --- | --- |
| Copper     | ppm | ■ <b>18</b>    | ■ 12 | --- | --- |
| Lead       | ppm | ■ <b>0</b>     | ■ <1 | --- | --- |
| Tin        | ppm | ■ <b>3</b>     | ■ 0  | --- | --- |
| Aluminum   | ppm | ■ <b>11</b>    | ■ 1  | --- | --- |
| Chromium   | ppm | ■ <b>&lt;1</b> | ■ 0  | --- | --- |
| Molybdenum | ppm | ■ <b>0</b>     | ■ <1 | --- | --- |
| Nickel     | ppm | ■ <b>1</b>     | 0    | --- | --- |
| Titanium   | ppm | <b>0</b>       | 2    | --- | --- |
| Silver     | ppm | ■ <b>0</b>     | 0    | --- | --- |
| Manganese  | ppm | ■ <b>0</b>     | ■ 1  | --- | --- |
| Vanadium   | ppm | <b>0</b>       | 0    | --- | --- |



### ADDITIVES

|            |     |              |        |     |     |
|------------|-----|--------------|--------|-----|-----|
| Calcium    | ppm | <b>▲ 86</b>  | ■ 2971 | --- | --- |
| Magnesium  | ppm | <b>▲ 6</b>   | ■ 26   | --- | --- |
| Zinc       | ppm | <b>▲ 0</b>   | ■ 1222 | --- | --- |
| Phosphorus | ppm | <b>▲ 199</b> | ■ 915  | --- | --- |
| Barium     | ppm | ■ <b>5</b>   | ■ 0    | --- | --- |
| Boron      | ppm | <b>▲ 93</b>  | ■ 81   | --- | --- |

**Depot:** GREDAVFL  
**Unique No:** 10863818  
**Signed:** Jonathan Hester  
**Report Date:** 08 Feb 2024

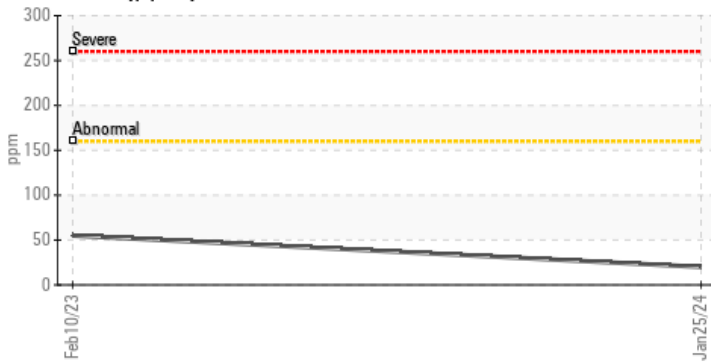


# CONSTRUCTION EQUIPMENT

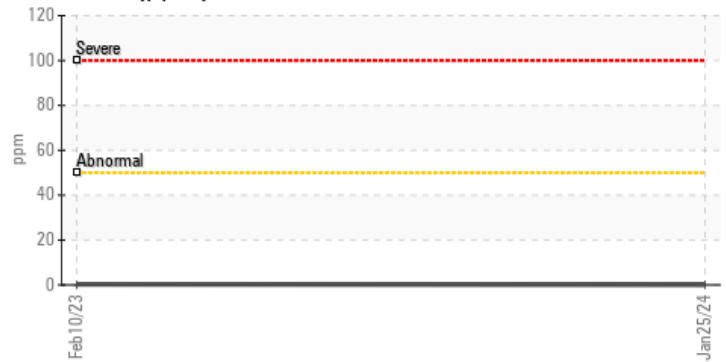


## GRAPHS

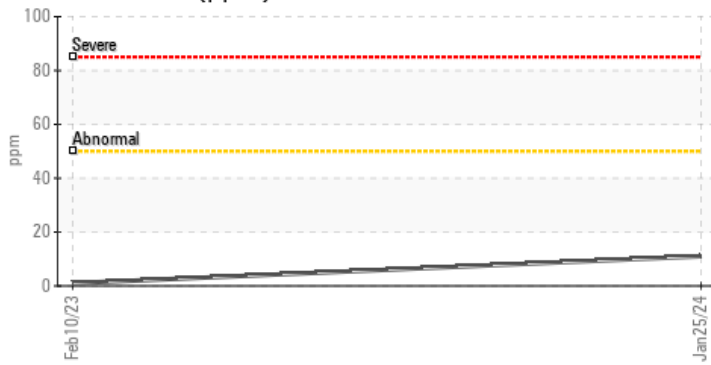
### Iron (ppm)



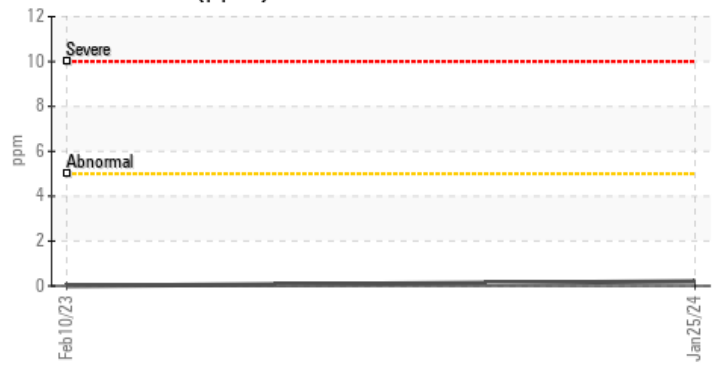
### Lead (ppm)



### Aluminum (ppm)



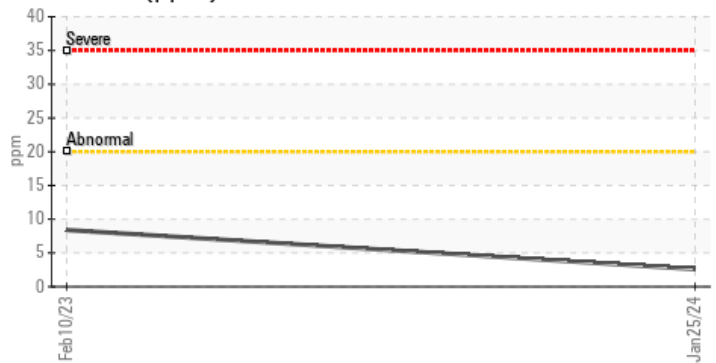
### Chromium (ppm)



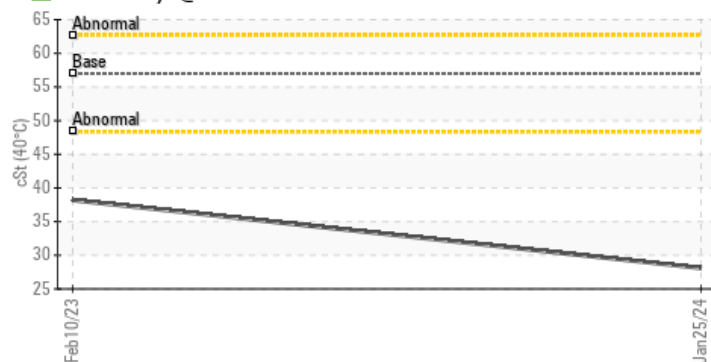
### Copper (ppm)



### Silicon (ppm)



### ▲ Viscosity @ 40°C



### ▲ Additives

