



# OIL ANALYSIS REPORT

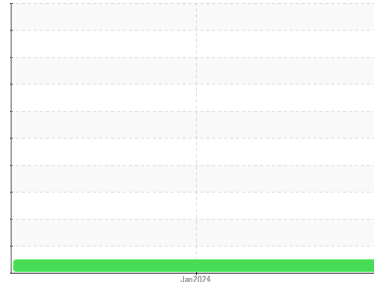
Sample Rating Trend

**NORMAL**



Machine Id  
**NOT GIVEN DJJ0010314 NO INFO ON SIF/BOTTLE**

Component  
**Front Right Final Drive**  
Fluid  
**TDTO FLUID SAE 20 (--- GAL)**



## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) TDTO FLUID SAE 20. Please confirm. Please specify the component make and model with your next sample.

### 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>DJJ0010314</b>  | ---      | ---      |
| Sample Date   | Client Info |             | <b>07 Jan 2024</b> | ---      | ---      |
| Machine Age   | hrs         | Client Info | <b>0</b>           | ---      | ---      |
| Oil Age       | hrs         | Client Info | <b>0</b>           | ---      | ---      |
| Oil Changed   | Client Info |             | <b>N/A</b>         | ---      | ---      |
| Sample Status |             |             | <b>NORMAL</b>      | ---      | ---      |

## CONTAMINATION

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

## WEAR METALS

|          | method | limit/base       | current      | history1 | history2 |
|----------|--------|------------------|--------------|----------|----------|
| Iron     | ppm    | ASTM D5185m >500 | <b>34</b>    | ---      | ---      |
| Chromium | ppm    | ASTM D5185m >10  | <b>1</b>     | ---      | ---      |
| Nickel   | ppm    | ASTM D5185m >10  | <b>1</b>     | ---      | ---      |
| Titanium | ppm    | ASTM D5185m      | <b>&lt;1</b> | ---      | ---      |
| Silver   | ppm    | ASTM D5185m      | <b>0</b>     | ---      | ---      |
| Aluminum | ppm    | ASTM D5185m >25  | <b>2</b>     | ---      | ---      |
| Lead     | ppm    | ASTM D5185m >25  | <b>&lt;1</b> | ---      | ---      |
| Copper   | ppm    | ASTM D5185m >50  | <b>2</b>     | ---      | ---      |
| Tin      | ppm    | ASTM D5185m >10  | <b>&lt;1</b> | ---      | ---      |
| Vanadium | ppm    | ASTM D5185m      | <b>0</b>     | ---      | ---      |
| Cadmium  | ppm    | ASTM D5185m      | <b>&lt;1</b> | ---      | ---      |

## ADDITIVES

|            | method | limit/base       | current     | history1 | history2 |
|------------|--------|------------------|-------------|----------|----------|
| Boron      | ppm    | ASTM D5185m 37   | <b>25</b>   | ---      | ---      |
| Barium     | ppm    | ASTM D5185m 7    | <b>0</b>    | ---      | ---      |
| Molybdenum | ppm    | ASTM D5185m 5    | <b>6</b>    | ---      | ---      |
| Manganese  | ppm    | ASTM D5185m      | <b>3</b>    | ---      | ---      |
| Magnesium  | ppm    | ASTM D5185m 40   | <b>28</b>   | ---      | ---      |
| Calcium    | ppm    | ASTM D5185m 2650 | <b>2863</b> | ---      | ---      |
| Phosphorus | ppm    | ASTM D5185m 1050 | <b>1038</b> | ---      | ---      |
| Zinc       | ppm    | ASTM D5185m 1075 | <b>1298</b> | ---      | ---      |
| Sulfur     | ppm    | ASTM D5185m 5750 | <b>4269</b> | ---      | ---      |

## CONTAMINANTS

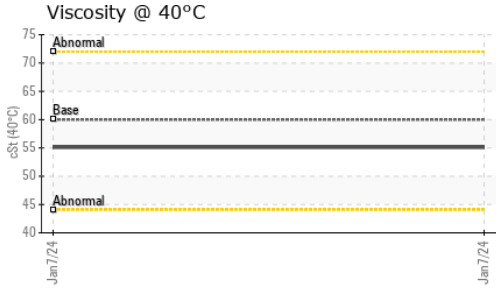
|           | method | limit/base      | current  | history1 | history2 |
|-----------|--------|-----------------|----------|----------|----------|
| Silicon   | ppm    | ASTM D5185m >75 | <b>8</b> | ---      | ---      |
| Sodium    | ppm    | ASTM D5185m     | <b>0</b> | ---      | ---      |
| Potassium | ppm    | ASTM D5185m >20 | <b>2</b> | ---      | ---      |

## VISUAL

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



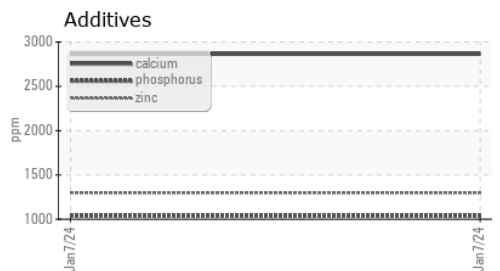
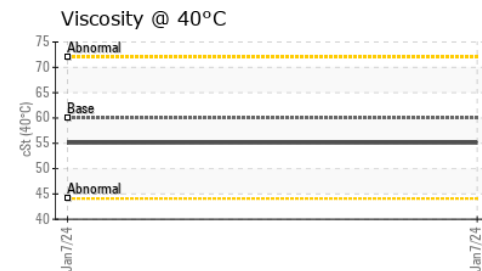
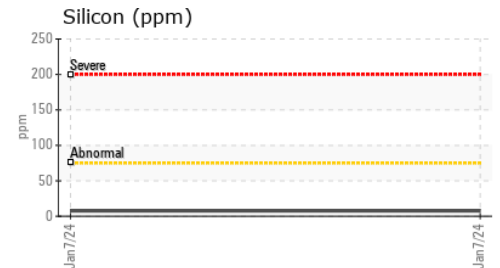
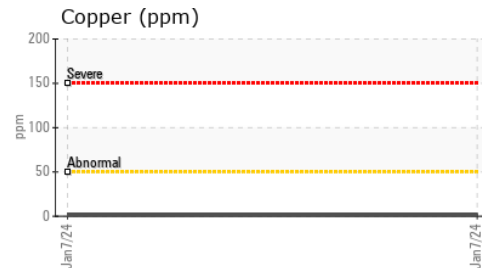
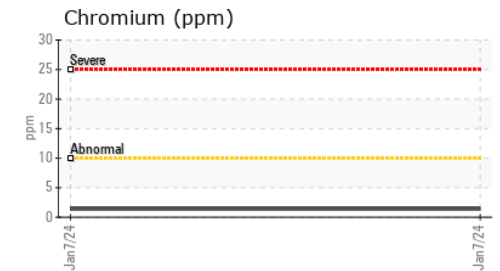
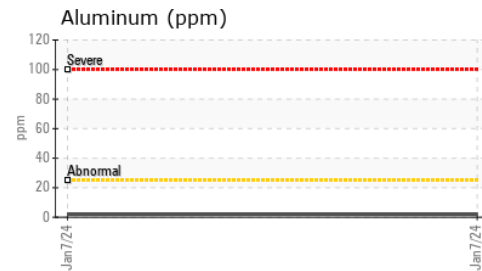
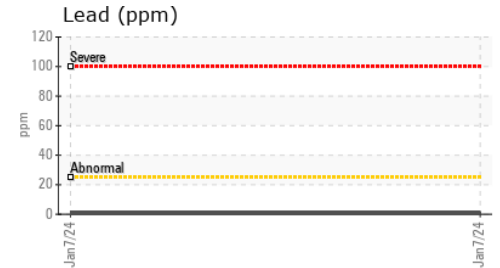
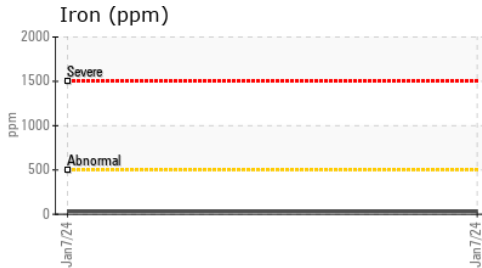
# OIL ANALYSIS REPORT



| FLUID PROPERTIES | method | limit/base   | current | history1 | history2 |
|------------------|--------|--------------|---------|----------|----------|
| Visc @ 40°C      | cSt    | ASTM D445 60 | 55.1    | ---      | ---      |

| SAMPLE IMAGES | method | limit/base | current | history1 | history2 |
|---------------|--------|------------|---------|----------|----------|
| Color         |        |            |         | no image | no image |
| Bottom        |        |            |         | no image | no image |

## GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
 Sample No. : DJJ0010314      Recieved : 08 Jan 2024  
 Lab Number : 06054396      Diagnosed : 09 Jan 2024  
 Unique Number : 10820345      Diagnostician : Wes Davis  
 Test Package : MOBCE

**GILLS HEAVY EQUIPMENT**  
 6431 BINGLE RD  
 HOUSTON, TX  
 US 77092  
 Contact: BARBARA GRIMES  
 barb@gilshheavyequip.com  
 T: (713)462-3325  
 F:

To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)