

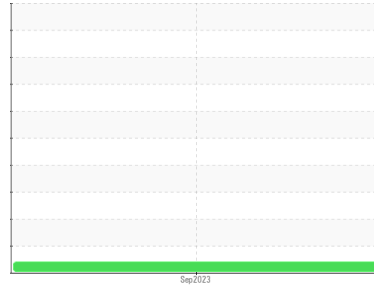


# OIL ANALYSIS REPORT

Sample Rating Trend

VISCOSITY

Area  
**CITY OF TORONTO**  
 Machine Id  
**CASE 580SN 322065**  
 Component  
**Hydraulic System**  
 Fluid  
**CASE CASE IH HY-TRAN ULTRA (--- GAL)**



## DIAGNOSIS

### ▲ 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.

### Wear

All component wear rates are normal.

### Contamination

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

### ▲ Fluid Condition

Viscosity of sample indicates oil is within SAE 20 range, advise investigate. 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>WC0763398</b>   | ---      | ---      |
| Sample Date   | Client Info     | <b>26 Sep 2023</b> | ---      | ---      |
| Machine Age   | hrs Client Info | <b>0</b>           | ---      | ---      |
| Oil Age       | hrs Client Info | <b>0</b>           | ---      | ---      |
| Oil Changed   | Client Info     | <b>Not Chngd</b>   | ---      | ---      |
| Sample Status |                 | <b>ABNORMAL</b>    | ---      | ---      |

## WEAR METALS

| method        | limit/base         | current      | history1 | history2 |
|---------------|--------------------|--------------|----------|----------|
| Iron ppm      | ASTM D5185(m) >65  | <b>24</b>    | ---      | ---      |
| Chromium ppm  | ASTM D5185(m) >6   | <b>0</b>     | ---      | ---      |
| Nickel ppm    | ASTM D5185(m) >10  | <b>&lt;1</b> | ---      | ---      |
| Titanium ppm  | ASTM D5185(m)      | <b>0</b>     | ---      | ---      |
| Silver ppm    | ASTM D5185(m)      | <b>&lt;1</b> | ---      | ---      |
| Aluminum ppm  | ASTM D5185(m) >5   | <b>&lt;1</b> | ---      | ---      |
| Lead ppm      | ASTM D5185(m) >45  | <b>1</b>     | ---      | ---      |
| Copper ppm    | ASTM D5185(m) >120 | <b>11</b>    | ---      | ---      |
| Tin ppm       | ASTM D5185(m) >4   | <b>0</b>     | ---      | ---      |
| Antimony ppm  | ASTM D5185(m)      | <b>0</b>     | ---      | ---      |
| Vanadium ppm  | ASTM D5185(m)      | <b>0</b>     | ---      | ---      |
| Beryllium ppm | ASTM D5185(m)      | <b>0</b>     | ---      | ---      |
| Cadmium ppm   | ASTM D5185(m)      | <b>0</b>     | ---      | ---      |

## ADDITIVES

| method         | limit/base        | current      | history1 | history2 |
|----------------|-------------------|--------------|----------|----------|
| Boron ppm      | ASTM D5185(m)     | <b>5</b>     | ---      | ---      |
| Barium ppm     | ASTM D5185(m)     | <b>&lt;1</b> | ---      | ---      |
| Molybdenum ppm | ASTM D5185(m)     | <b>0</b>     | ---      | ---      |
| Manganese ppm  | ASTM D5185(m)     | <b>0</b>     | ---      | ---      |
| Magnesium ppm  | ASTM D5185(m)     | <b>10</b>    | ---      | ---      |
| Calcium ppm    | ASTM D5185(m)     | <b>2820</b>  | ---      | ---      |
| Phosphorus ppm | ASTM D5185(m)     | <b>344</b>   | ---      | ---      |
| Zinc ppm       | ASTM D5185(m) 0.0 | <b>166</b>   | ---      | ---      |
| Sulfur ppm     | ASTM D5185(m)     | <b>2252</b>  | ---      | ---      |
| Lithium ppm    | ASTM D5185(m)     | <b>&lt;1</b> | ---      | ---      |

## CONTAMINANTS

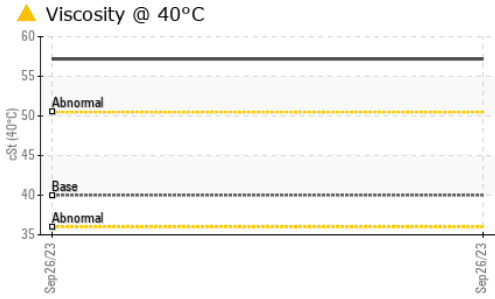
| method        | limit/base        | current  | history1 | history2 |
|---------------|-------------------|----------|----------|----------|
| Silicon ppm   | ASTM D5185(m) >25 | <b>8</b> | ---      | ---      |
| Sodium ppm    | ASTM D5185(m)     | <b>8</b> | ---      | ---      |
| Potassium ppm | ASTM D5185(m) >20 | <b>3</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* >0.1  | <b>NEG</b>   | ---      | ---      |
| Free Water scalar       | Visual*       | <b>NEG</b>   | ---      | ---      |



# OIL ANALYSIS REPORT

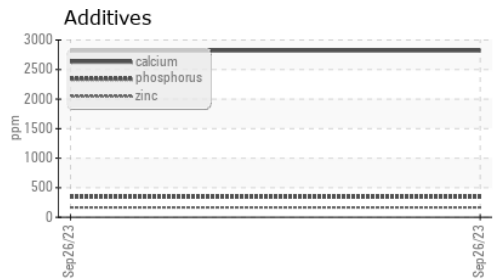
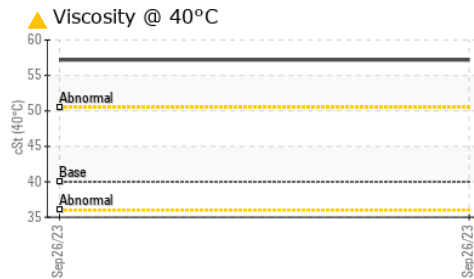
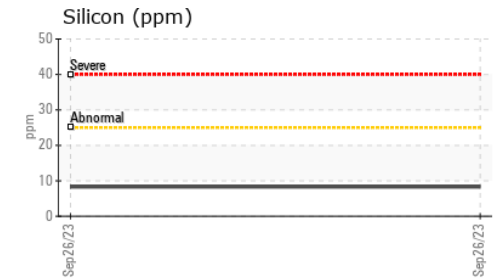
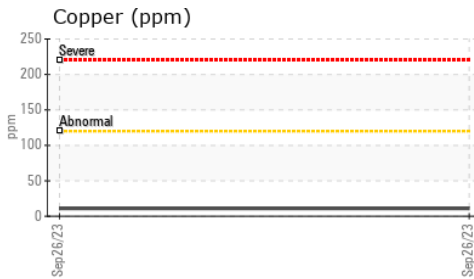
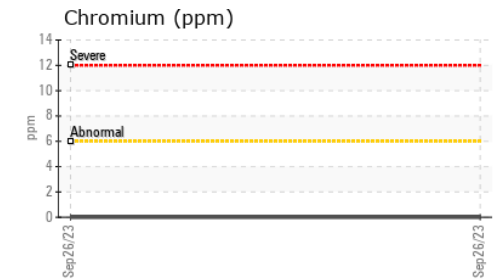
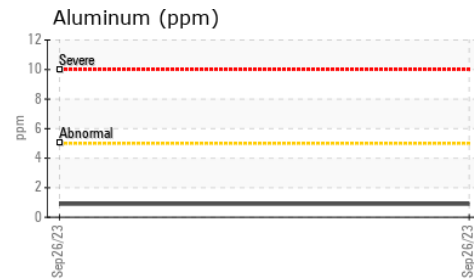
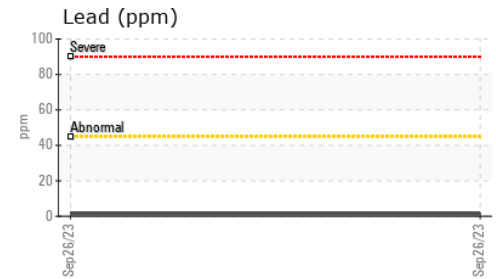
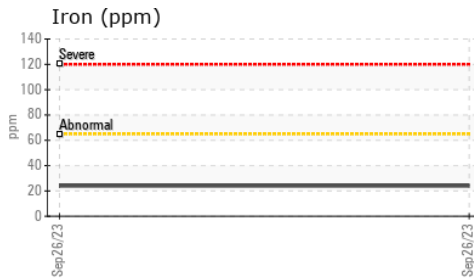


| FLUID PROPERTIES | method | limit/base    | current   | history1 | history2 |
|------------------|--------|---------------|-----------|----------|----------|
| Visc @ 40°C      | cSt    | ASTM D7279(m) | 40 ▲ 57.2 | ---      | ---      |

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

|        |  |  |  |          |          |
|--------|--|--|--|----------|----------|
| Color  |  |  |  | no image | no image |
| Bottom |  |  |  | no image | no image |

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0763398 **Received** : 28 Sep 2023  
**Lab Number** : 02585887 **Diagnosed** : 28 Sep 2023  
**Unique Number** : 5654953 **Diagnostician** : Kevin Marson  
**Test Package** : MOB 1

**STRONGCO EQUIPMENT**  
 1075 CLARK BOULEVARD  
 BRAMPTON, ON  
 CA L6T 3W4  
 Contact: JOHN KOWALSKI  
 jkowalski@strongco.com  
 T: (905)791-3131  
 F: (905)791-8885

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.