



OIL ANALYSIS REPORT

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

Machine Id
CR1230 - S2
Component
Center Swing Drive
Fluid
GEAR OIL ISO 220 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|----------|
| Sample Number | | Client Info | | WC0922914 | WC0823533 | --- |
| Sample Date | | Client Info | | 17 May 2024 | 05 Jul 2023 | --- |
| Machine Age | hrs | Client Info | | 2146 | 1735 | --- |
| Oil Age | hrs | Client Info | | 411 | 1735 | --- |
| Filter Age | hrs | Client Info | | 0 | 0 | --- |
| Oil Changed | | Client Info | | Changed | Changed | --- |
| Filter Changed | | Client Info | | Changed | Changed | --- |
| Sample Status | | | | NORMAL | NORMAL | --- |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|------|-----|
| Iron | ppm | ASTM D5185m | >400 | 2 | 13 | --- |
| Chromium | ppm | ASTM D5185m | >10 | <1 | 0 | --- |
| Nickel | ppm | ASTM D5185m | >10 | <1 | 0 | --- |
| Titanium | ppm | ASTM D5185m | | <1 | <1 | --- |
| Silver | ppm | ASTM D5185m | | <1 | 0 | --- |
| Aluminum | ppm | ASTM D5185m | >25 | 9 | <1 | --- |
| Lead | ppm | ASTM D5185m | >50 | <1 | <1 | --- |
| Copper | ppm | ASTM D5185m | >200 | <1 | <1 | --- |
| Tin | ppm | ASTM D5185m | >10 | 1 | <1 | --- |
| Vanadium | ppm | ASTM D5185m | | 2 | <1 | --- |
| White Metal | scalar | *Visual | NONE | NONE | NONE | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | --- |

CONTAMINATION

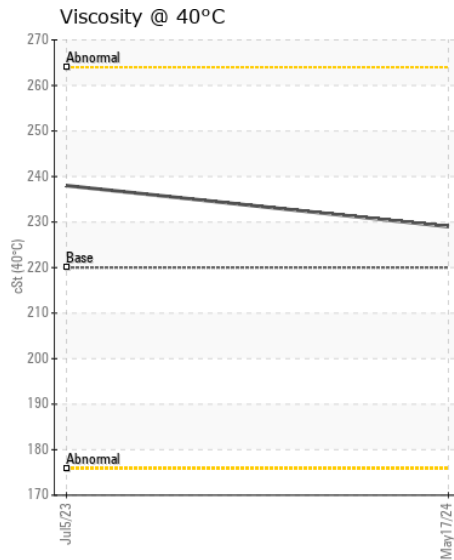
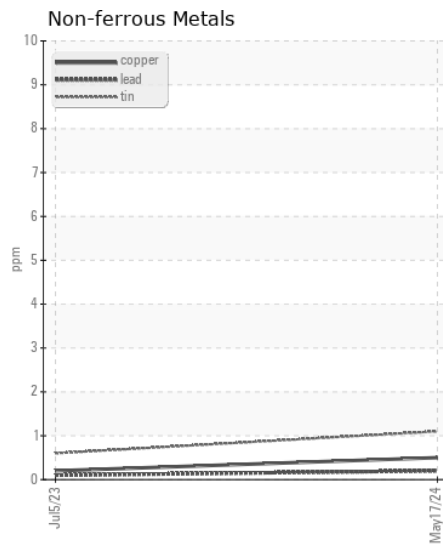
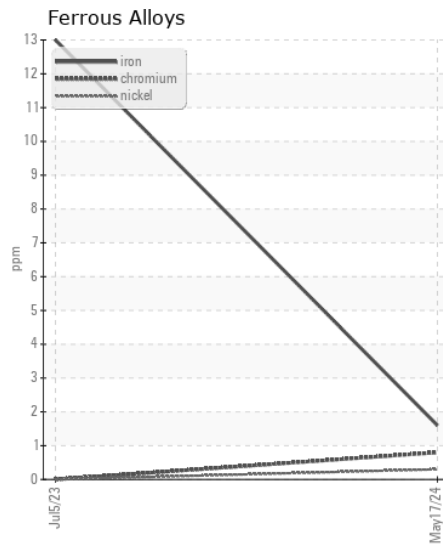
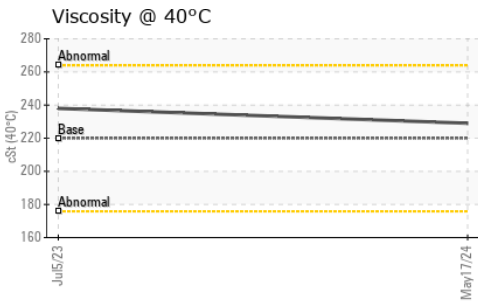
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|--------|-------------|-------|--------------|-------|-----|
| Silicon | ppm | ASTM D5185m | >50 | 2 | <1 | --- |
| Potassium | ppm | ASTM D5185m | >20 | 9 | 5 | --- |
| Water | | WC Method | >0.2 | NEG | NEG | --- |
| Silt | scalar | *Visual | NONE | NONE | NONE | --- |
| Debris | scalar | *Visual | NONE | NONE | NONE | --- |
| Sand/Dirt | scalar | *Visual | NONE | NONE | NONE | --- |
| Appearance | scalar | *Visual | NORML | NORML | NORML | --- |
| Odor | scalar | *Visual | NORML | NORML | NORML | --- |
| Emulsified Water | scalar | *Visual | >0.2 | NEG | NEG | --- |

FLUID CONDITION

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

| | | | | | | |
|-------------|-----|-------------|-------|--------------|------|-----|
| Sodium | ppm | ASTM D5185m | | 30 | 3 | --- |
| Boron | ppm | ASTM D5185m | 50 | 0 | 0 | --- |
| Barium | ppm | ASTM D5185m | 15 | 0 | 0 | --- |
| Molybdenum | ppm | ASTM D5185m | 15 | <1 | 0 | --- |
| Manganese | ppm | ASTM D5185m | | <1 | <1 | --- |
| Magnesium | ppm | ASTM D5185m | 50 | <1 | 0 | --- |
| Calcium | ppm | ASTM D5185m | 50 | 0 | <1 | --- |
| Phosphorus | ppm | ASTM D5185m | 350 | 15 | 22 | --- |
| Zinc | ppm | ASTM D5185m | 100 | 0 | 0 | --- |
| Sulfur | ppm | ASTM D5185m | 12500 | 566 | 2655 | --- |
| Visc @ 40°C | cSt | ASTM D445 | 220 | 229 | 238 | --- |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0922914
Lab Number : 06189620
Unique Number : 11046372
Test Package : CONST

Received : 23 May 2024
Tested : 25 May 2024
Diagnosed : 28 May 2024 - Sean Felton

BUCKNER HEAVY LIFT
 4732 NC 54 EAST
 GRAHAM, NC
 US 27253-9215

Contact: MICHAEL LAWSON
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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)

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