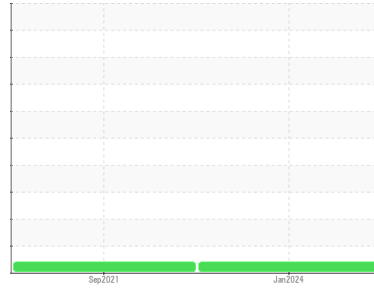




OIL ANALYSIS REPORT

Sample Rating Trend



VISCOSITY



Machine Id
CR6626

Component
Gearbox

Fluid
GEAR OIL ISO 220 (--- GAL)

DIAGNOSIS

▲ Recommendation

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

▲ Fluid Condition

The oil viscosity is lower than normal. Confirm oil type.

| SAMPLE INFORMATION | | method | limit/base | current | history1 | history2 |
|--------------------|-------------|-------------|------------|--------------------|-------------|----------|
| Sample Number | Client Info | | | WC0873304 | WC0610312 | --- |
| Sample Date | Client Info | | | 25 Jan 2024 | 06 Sep 2021 | --- |
| Machine Age | hrs | Client Info | | 11006 | 9726 | --- |
| Oil Age | hrs | Client Info | | 0 | 0 | --- |
| Oil Changed | Client Info | | | Changed | N/A | --- |
| Sample Status | | | | ATTENTION | ATTENTION | --- |

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

| WEAR METALS | | method | limit/base | current | history1 | history2 |
|-------------|-----|-------------|------------|--------------|----------|----------|
| Iron | ppm | ASTM D5185m | >200 | 23 | 2 | --- |
| Chromium | ppm | ASTM D5185m | >10 | <1 | 0 | --- |
| Nickel | ppm | ASTM D5185m | >10 | 0 | 0 | --- |
| Titanium | ppm | ASTM D5185m | | <1 | <1 | --- |
| Silver | ppm | ASTM D5185m | | 0 | <1 | --- |
| Aluminum | ppm | ASTM D5185m | >25 | 3 | <1 | --- |
| Lead | ppm | ASTM D5185m | >50 | <1 | <1 | --- |
| Copper | ppm | ASTM D5185m | >200 | 1 | 2 | --- |
| Tin | ppm | ASTM D5185m | >10 | <1 | <1 | --- |
| Antimony | ppm | ASTM D5185m | >5 | --- | 0 | --- |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | --- |
| Cadmium | ppm | ASTM D5185m | | 0 | 0 | --- |

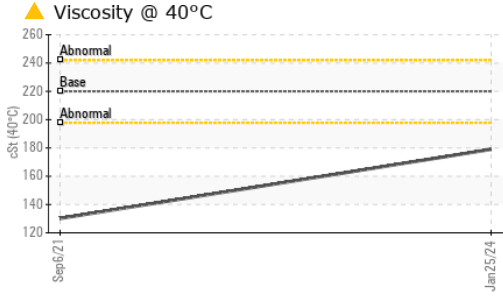
| ADDITIVES | | method | limit/base | current | history1 | history2 |
|------------|-----|-------------|------------|--------------|----------|----------|
| Boron | ppm | ASTM D5185m | 50 | 10 | 3 | --- |
| Barium | ppm | ASTM D5185m | 15 | 0 | 0 | --- |
| Molybdenum | ppm | ASTM D5185m | 15 | <1 | <1 | --- |
| Manganese | ppm | ASTM D5185m | | 0 | <1 | --- |
| Magnesium | ppm | ASTM D5185m | 50 | <1 | 2 | --- |
| Calcium | ppm | ASTM D5185m | 50 | 8 | 11 | --- |
| Phosphorus | ppm | ASTM D5185m | 350 | 351 | 378 | --- |
| Zinc | ppm | ASTM D5185m | 100 | 10 | 48 | --- |
| Sulfur | ppm | ASTM D5185m | 12500 | 4689 | 576 | --- |

| CONTAMINANTS | | method | limit/base | current | history1 | history2 |
|--------------|-----|-------------|------------|----------|----------|----------|
| Silicon | ppm | ASTM D5185m | >50 | 9 | 12 | --- |
| Sodium | ppm | ASTM D5185m | | 0 | <1 | --- |
| Potassium | ppm | ASTM D5185m | >20 | 2 | <1 | --- |

| VISUAL | | method | limit/base | current | history1 | history2 |
|------------------|--------|---------|------------|--------------|----------|----------|
| White Metal | scalar | *Visual | NONE | NONE | NONE | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | --- |
| Precipitate | scalar | *Visual | NONE | NONE | NONE | --- |
| 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 | --- |
| Free Water | scalar | *Visual | | NEG | NEG | --- |



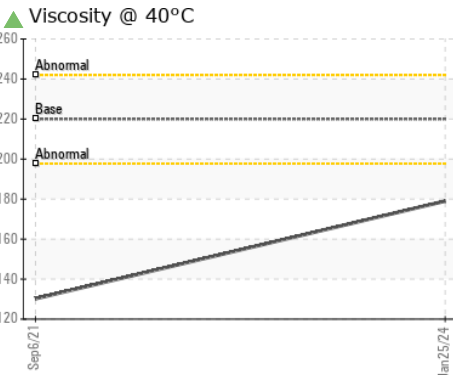
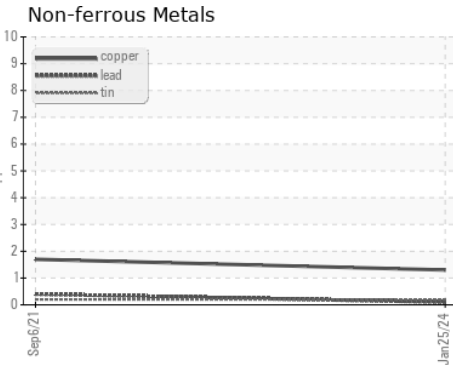
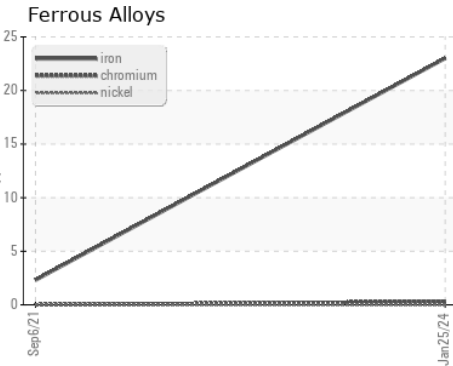
OIL ANALYSIS REPORT



| FLUID PROPERTIES | | method | limit/base | current | history1 | history2 |
|------------------|-----|-----------|------------|---------|----------|----------|
| Visc @ 40°C | cSt | ASTM D445 | 220 | ▲ 179 | ▲ 130.2 | --- |

| 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. : WC0873304 **Received** : 30 Jan 2024
Lab Number : 06074198 **Diagnosed** : 31 Jan 2024
Unique Number : 10856289 **Diagnostician** : Sean Felton
Test Package : CONST

BUCKNER HEAVY LIFT
 4732 NC 54 EAST
 GRAHAM, NC
 US 27253-9215
 Contact: MICHAEL LAWSON
 michael@bucknercompanies.com
 T: (336)376-8888
 F: (336)376-4090

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)