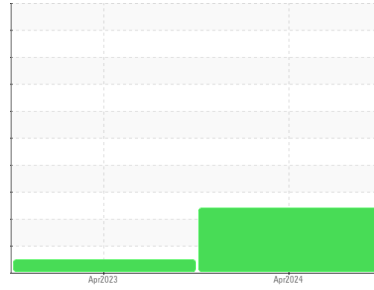




OIL ANALYSIS REPORT

Sample Rating Trend



WATER



Machine Id
CR6619 - INNER
 Component
Rear Right Final Drive
 Fluid
GEAR OIL ISO 220 (--- GAL)

DIAGNOSIS

Recommendation

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

Appearance is hazy. There is a light concentration of water present 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 | WC0923071 | WC0784919 | --- |
| Sample Date | Client Info | 16 Apr 2024 | 20 Apr 2023 | --- |
| Machine Age | hrs | 7221 | 6570 | --- |
| Oil Age | hrs | 1000 | 922 | --- |
| Oil Changed | Client Info | Changed | Changed | --- |
| Sample Status | | ABNORMAL | NORMAL | --- |

WEAR METALS

| method | limit/base | current | history1 | history2 |
|--------------|------------------|--------------|----------|----------|
| Iron ppm | ASTM D5185m >500 | 326 | 218 | --- |
| Chromium ppm | ASTM D5185m >10 | 2 | <1 | --- |
| Nickel ppm | ASTM D5185m >10 | <1 | <1 | --- |
| Titanium ppm | ASTM D5185m | <1 | <1 | --- |
| Silver ppm | ASTM D5185m | 0 | 0 | --- |
| Aluminum ppm | ASTM D5185m >25 | 2 | <1 | --- |
| Lead ppm | ASTM D5185m >25 | <1 | 0 | --- |
| Copper ppm | ASTM D5185m >50 | 30 | 46 | --- |
| Tin ppm | ASTM D5185m >10 | 1 | <1 | --- |
| Vanadium ppm | ASTM D5185m | 0 | 0 | --- |
| Cadmium ppm | ASTM D5185m | <1 | 0 | --- |

ADDITIVES

| method | limit/base | current | history1 | history2 |
|----------------|-------------------|--------------|----------|----------|
| Boron ppm | ASTM D5185m 50 | 9 | 9 | --- |
| Barium ppm | ASTM D5185m 15 | 0 | 0 | --- |
| Molybdenum ppm | ASTM D5185m 15 | <1 | 0 | --- |
| Manganese ppm | ASTM D5185m | 1 | 2 | --- |
| Magnesium ppm | ASTM D5185m 50 | <1 | <1 | --- |
| Calcium ppm | ASTM D5185m 50 | 2 | 2 | --- |
| Phosphorus ppm | ASTM D5185m 350 | 341 | 450 | --- |
| Zinc ppm | ASTM D5185m 100 | 17 | 15 | --- |
| Sulfur ppm | ASTM D5185m 12500 | 5667 | 9515 | --- |

CONTAMINANTS

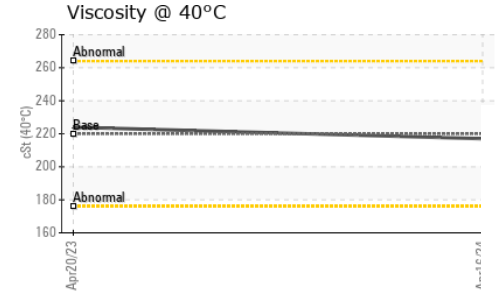
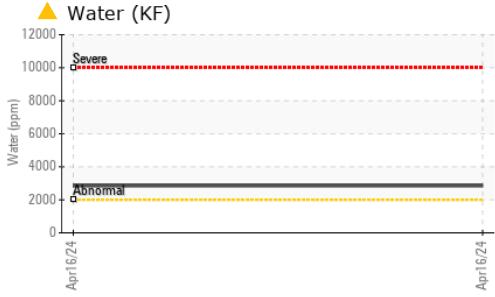
| method | limit/base | current | history1 | history2 |
|---------------|------------------|----------------|----------|----------|
| Silicon ppm | ASTM D5185m >75 | 7 | 3 | --- |
| Sodium ppm | ASTM D5185m | 0 | 2 | --- |
| Potassium ppm | ASTM D5185m >20 | 2 | 2 | --- |
| Water % | ASTM D6304 >0.2 | ▲ 0.285 | --- | --- |
| ppm Water | ASTM D6304 >2000 | ▲ 2850 | --- | --- |

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 | MODER | NONE | --- |
| Debris scalar | *Visual NONE | NONE | NONE | --- |
| Sand/Dirt scalar | *Visual NONE | NONE | NONE | --- |
| Appearance scalar | *Visual NORML | ● HAZY | NORML | --- |
| Odor scalar | *Visual NORML | NORML | NORML | --- |
| Emulsified Water scalar | *Visual >0.2 | 0.2% | NEG | --- |
| Free Water scalar | *Visual | NEG | NEG | --- |



OIL ANALYSIS REPORT



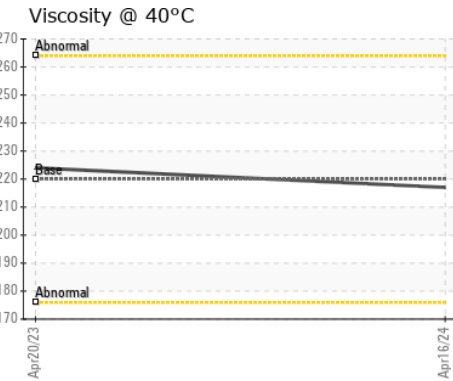
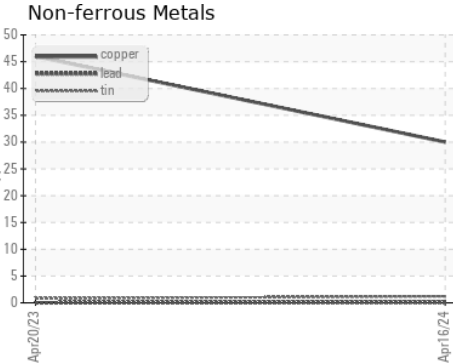
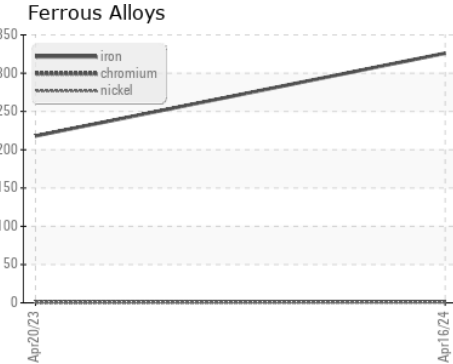
FLUID PROPERTIES

| method | limit/base | current | history1 | history2 | | |
|-------------|------------|-----------|----------|------------|-----|-----|
| Visc @ 40°C | cSt | ASTM D445 | 220 | 217 | 224 | --- |

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. : WC0923071 **Received** : 19 Apr 2024
Lab Number : 06155320 **Tested** : 24 Apr 2024
Unique Number : 10990743 **Diagnosed** : 24 Apr 2024 - Sean Felton
Test Package : CONST (Additional Tests: KF)

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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