



OIL ANALYSIS REPORT

Machine Id
20-97
 Component
Right Final Drive
 Fluid
 {not provided} (--- GAL)

Sample Rating Trend



WATER



DIAGNOSIS

▲ Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

▲ Contamination

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 | | WC0936915 | --- | --- |
| Sample Date | Client Info | | 23 Apr 2024 | --- | --- |
| Machine Age | hrs | Client Info | 820 | --- | --- |
| Oil Age | hrs | Client Info | 0 | --- | --- |
| Oil Changed | Client Info | | Not Chngd | --- | --- |
| Sample Status | | | MARGINAL | --- | --- |

WEAR METALS

| | method | limit/base | current | history1 | history2 |
|----------|--------|------------------|--------------|----------|----------|
| Iron | ppm | ASTM D5185m >500 | 90 | --- | --- |
| Chromium | ppm | ASTM D5185m >10 | <1 | --- | --- |
| Nickel | ppm | ASTM D5185m >10 | 0 | --- | --- |
| Titanium | ppm | ASTM D5185m | 0 | --- | --- |
| Silver | ppm | ASTM D5185m | 0 | --- | --- |
| Aluminum | ppm | ASTM D5185m >25 | <1 | --- | --- |
| Lead | ppm | ASTM D5185m >25 | <1 | --- | --- |
| Copper | ppm | ASTM D5185m >50 | <1 | --- | --- |
| Tin | ppm | ASTM D5185m >10 | 0 | --- | --- |
| Vanadium | ppm | ASTM D5185m | 0 | --- | --- |
| Cadmium | ppm | ASTM D5185m | 0 | --- | --- |

ADDITIVES

| | method | limit/base | current | history1 | history2 |
|------------|--------|-------------|--------------|----------|----------|
| Boron | ppm | ASTM D5185m | 70 | --- | --- |
| Barium | ppm | ASTM D5185m | 8 | --- | --- |
| Molybdenum | ppm | ASTM D5185m | <1 | --- | --- |
| Manganese | ppm | ASTM D5185m | 2 | --- | --- |
| Magnesium | ppm | ASTM D5185m | <1 | --- | --- |
| Calcium | ppm | ASTM D5185m | 21 | --- | --- |
| Phosphorus | ppm | ASTM D5185m | 526 | --- | --- |
| Zinc | ppm | ASTM D5185m | 49 | --- | --- |
| Sulfur | ppm | ASTM D5185m | 18039 | --- | --- |

CONTAMINANTS

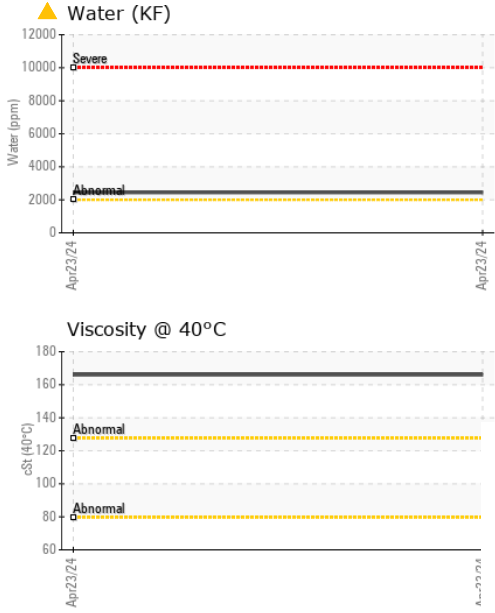
| | method | limit/base | current | history1 | history2 |
|-----------|--------|------------------|----------------|----------|----------|
| Silicon | ppm | ASTM D5185m >75 | 10 | --- | --- |
| Sodium | ppm | ASTM D5185m | 1 | --- | --- |
| Potassium | ppm | ASTM D5185m >20 | 5 | --- | --- |
| Water | % | ASTM D6304 >0.2 | ▲ 0.244 | --- | --- |
| ppm Water | ppm | ASTM D6304 >2000 | ▲ 2440 | --- | --- |

VISUAL

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



OIL ANALYSIS REPORT



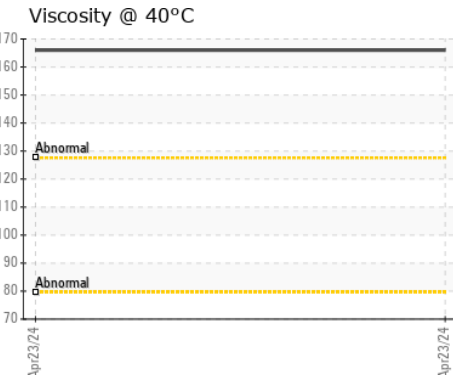
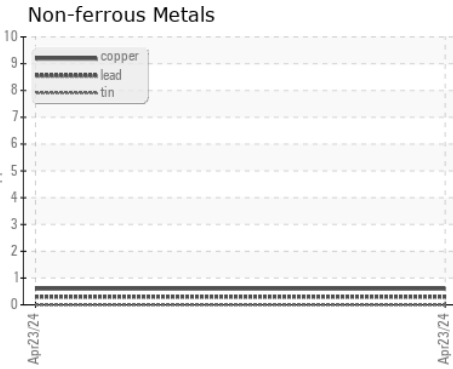
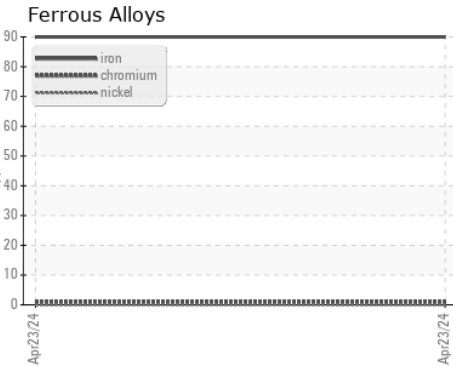
FLUID PROPERTIES

| method | limit/base | current | history1 | history2 |
|-------------|---------------|------------|----------|----------|
| Visc @ 40°C | cSt ASTM D445 | 166 | --- | --- |

SAMPLE IMAGES

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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0936915 **Received** : 09 May 2024
Lab Number : **06174324** **Tested** : 13 May 2024
Unique Number : 11020377 **Diagnosed** : 13 May 2024 - Don Baldrige
Test Package : CONST (Additional Tests: KF)

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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)