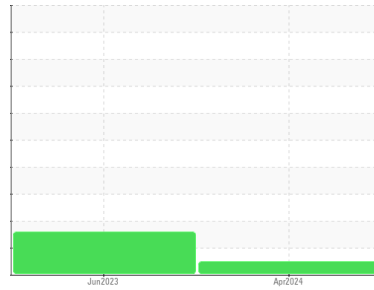


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id

MB9375

Component

Hydraulic System

Fluid

AW HYDRAULIC OIL ISO 46 (--- QTS)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination 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 | HRE0000291 | WC0778537 | --- |
| Sample Date | Client Info | 06 Apr 2024 | 30 Jun 2023 | --- |
| Machine Age | hrs | Client Info | 0 | 0 |
| Oil Age | hrs | Client Info | 0 | 0 |
| Oil Changed | Client Info | N/A | N/A | --- |
| Sample Status | | NORMAL | ABNORMAL | --- |

CONTAMINATION method limit/base current history1 history2

| | | | | | |
|-------|-----------|-------|------------|-----|-----|
| Water | WC Method | >0.05 | NEG | NEG | --- |
|-------|-----------|-------|------------|-----|-----|

WEAR METALS method limit/base current history1 history2

| | | | | | | |
|----------|-----|-------------|-----|----------|----|-----|
| Iron | ppm | ASTM D5185m | >20 | 4 | 4 | --- |
| Chromium | ppm | ASTM D5185m | >20 | 0 | <1 | --- |
| Nickel | ppm | ASTM D5185m | >20 | 0 | 0 | --- |
| Titanium | ppm | ASTM D5185m | | 0 | 0 | --- |
| Silver | ppm | ASTM D5185m | | 0 | 0 | --- |
| Aluminum | ppm | ASTM D5185m | >20 | 0 | 1 | --- |
| Lead | ppm | ASTM D5185m | >20 | 0 | 0 | --- |
| Copper | ppm | ASTM D5185m | >20 | 4 | 5 | --- |
| Tin | ppm | ASTM D5185m | >20 | 0 | 0 | --- |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | --- |
| Cadmium | ppm | ASTM D5185m | | 0 | 0 | --- |

ADDITIVES method limit/base current history1 history2

| | | | | | | |
|------------|-----|-------------|------|-------------|------|-----|
| Boron | ppm | ASTM D5185m | 5 | 6 | 2 | --- |
| Barium | ppm | ASTM D5185m | 5 | 0 | 0 | --- |
| Molybdenum | ppm | ASTM D5185m | 5 | 1 | 2 | --- |
| Manganese | ppm | ASTM D5185m | | 0 | <1 | --- |
| Magnesium | ppm | ASTM D5185m | 25 | 6 | 10 | --- |
| Calcium | ppm | ASTM D5185m | 200 | 82 | 83 | --- |
| Phosphorus | ppm | ASTM D5185m | 300 | 321 | 322 | --- |
| Zinc | ppm | ASTM D5185m | 370 | 406 | 409 | --- |
| Sulfur | ppm | ASTM D5185m | 2500 | 1479 | 1488 | --- |

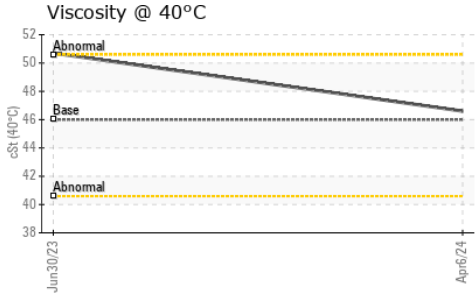
CONTAMINANTS method limit/base current history1 history2

| | | | | | | |
|-----------|-----|-------------|-----|----------|----|-----|
| Silicon | ppm | ASTM D5185m | >15 | 0 | <1 | --- |
| Sodium | ppm | ASTM D5185m | | 0 | 0 | --- |
| Potassium | ppm | ASTM D5185m | >20 | 0 | 0 | --- |

VISUAL method limit/base current history1 history2

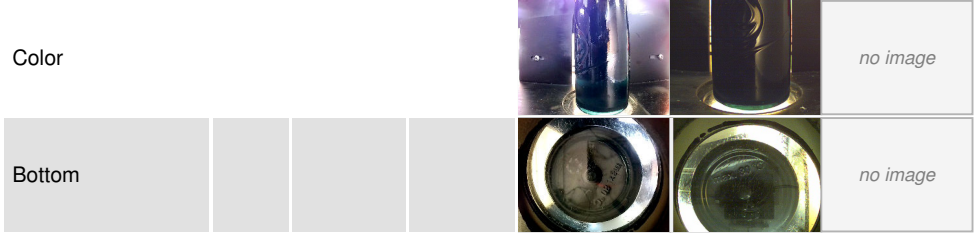
| | | | | | | |
|------------------|--------|---------|-------|--------------|---------|-----|
| White Metal | scalar | *Visual | NONE | NONE | ▲ MODER | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | --- |
| Precipitate | scalar | *Visual | NONE | NONE | NONE | --- |
| Silt | scalar | *Visual | NONE | NONE | NONE | --- |
| Debris | scalar | *Visual | NONE | LIGHT | ▲ MODER | --- |
| Sand/Dirt | scalar | *Visual | NONE | NONE | NONE | --- |
| Appearance | scalar | *Visual | NORML | NORML | NORML | --- |
| Odor | scalar | *Visual | NORML | NORML | NORML | --- |
| Emulsified Water | scalar | *Visual | >0.05 | NEG | NEG | --- |
| Free Water | scalar | *Visual | | NEG | NEG | --- |

OIL ANALYSIS REPORT

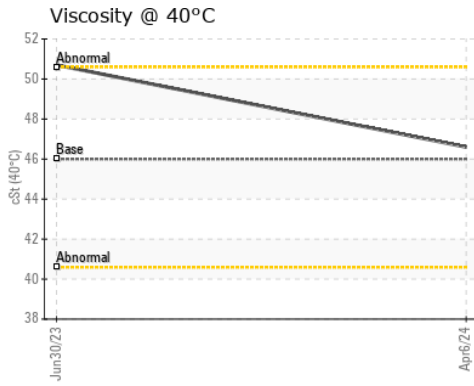
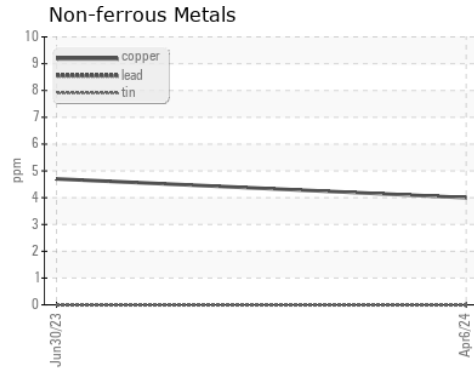
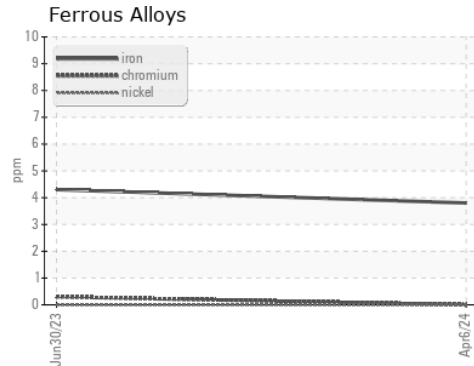


| FLUID PROPERTIES | method | limit/base | current | history1 | history2 |
|------------------|--------|--------------|-------------|----------|----------|
| Visc @ 40°C | cSt | ASTM D445 46 | 46.6 | 50.7 | --- |

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



GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : HRE0000291 **Received** : 05 Apr 2024
Lab Number : 06140393 **Tested** : 08 Apr 2024
Unique Number : 10965201 **Diagnosed** : 08 Apr 2024 - Wes Davis
Test Package : IND 1

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 TAZEWELL, TN
 US 37879
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 F: (423)626-2065

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)