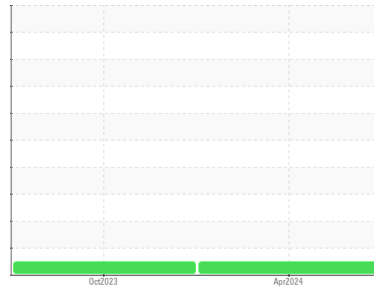




# OIL ANALYSIS REPORT

Area  
**MINERAL OIL CHANGED TO VISION 8K**  
 Machine Id  
**HODGE 2208007017**  
 Component  
**Compressor**

### Sample Rating Trend



### DIAGNOSIS

#### Recommendation

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 AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

### SAMPLE INFORMATION

|               | method      | limit/base  | current            | history1    | history2 |
|---------------|-------------|-------------|--------------------|-------------|----------|
| Sample Number | Client Info |             | <b>UHC0000839</b>  | UCH05995819 | ---      |
| Sample Date   | Client Info |             | <b>01 Apr 2024</b> | 11 Oct 2023 | ---      |
| Machine Age   | hrs         | Client Info | <b>1474</b>        | 526         | ---      |
| Oil Age       | hrs         | Client Info | <b>1000</b>        | 526         | ---      |
| Oil Changed   | Client Info |             | <b>N/A</b>         | Changed     | ---      |
| Sample Status |             |             | <b>NORMAL</b>      | NORMAL      | ---      |

### CONTAMINATION

|       | method    | limit/base | current    | history1 | history2 |
|-------|-----------|------------|------------|----------|----------|
| Water | WC Method | >0.1       | <b>NEG</b> | NEG      | ---      |

### WEAR METALS

|          | method | limit/base      | current      | history1 | history2 |
|----------|--------|-----------------|--------------|----------|----------|
| Iron     | ppm    | ASTM D5185m >50 | <b>5</b>     | 3        | ---      |
| Chromium | ppm    | ASTM D5185m >10 | <b>&lt;1</b> | 0        | ---      |
| Nickel   | ppm    | ASTM D5185m     | <b>&lt;1</b> | 0        | ---      |
| Titanium | ppm    | ASTM D5185m     | <b>&lt;1</b> | 0        | ---      |
| Silver   | ppm    | ASTM D5185m     | <b>0</b>     | 0        | ---      |
| Aluminum | ppm    | ASTM D5185m >25 | <b>1</b>     | <1       | ---      |
| Lead     | ppm    | ASTM D5185m >25 | <b>1</b>     | 0        | ---      |
| Copper   | ppm    | ASTM D5185m >50 | <b>1</b>     | 0        | ---      |
| Tin      | ppm    | ASTM D5185m >15 | <b>1</b>     | 0        | ---      |
| Vanadium | ppm    | ASTM D5185m     | <b>&lt;1</b> | 0        | ---      |
| Cadmium  | ppm    | ASTM D5185m     | <b>1</b>     | 0        | ---      |

### ADDITIVES

|            | method | limit/base  | current      | history1 | history2 |
|------------|--------|-------------|--------------|----------|----------|
| Boron      | ppm    | ASTM D5185m | <b>0</b>     | 0        | ---      |
| Barium     | ppm    | ASTM D5185m | <b>&lt;1</b> | 0        | ---      |
| Molybdenum | ppm    | ASTM D5185m | <b>1</b>     | 0        | ---      |
| Manganese  | ppm    | ASTM D5185m | <b>&lt;1</b> | 0        | ---      |
| Magnesium  | ppm    | ASTM D5185m | <b>&lt;1</b> | 0        | ---      |
| Calcium    | ppm    | ASTM D5185m | <b>3</b>     | 6        | ---      |
| Phosphorus | ppm    | ASTM D5185m | <b>461</b>   | 405      | ---      |
| Zinc       | ppm    | ASTM D5185m | <b>64</b>    | 78       | ---      |
| Sulfur     | ppm    | ASTM D5185m | <b>1510</b>  | 526      | ---      |

### CONTAMINANTS

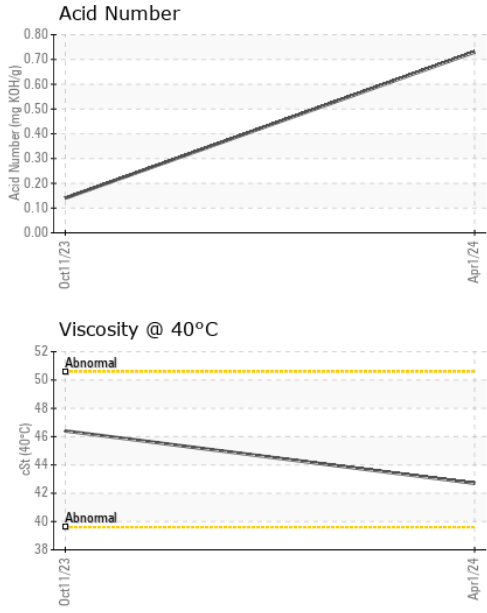
|           | method | limit/base      | current      | history1 | history2 |
|-----------|--------|-----------------|--------------|----------|----------|
| Silicon   | ppm    | ASTM D5185m >25 | <b>&lt;1</b> | 3        | ---      |
| Sodium    | ppm    | ASTM D5185m     | <b>2</b>     | 8        | ---      |
| Potassium | ppm    | ASTM D5185m >20 | <b>1</b>     | 2        | ---      |

### FLUID DEGRADATION

|                  | method   | limit/base | current     | history1 | history2 |
|------------------|----------|------------|-------------|----------|----------|
| Acid Number (AN) | mg KOH/g | ASTM D8045 | <b>0.73</b> | 0.14     | ---      |



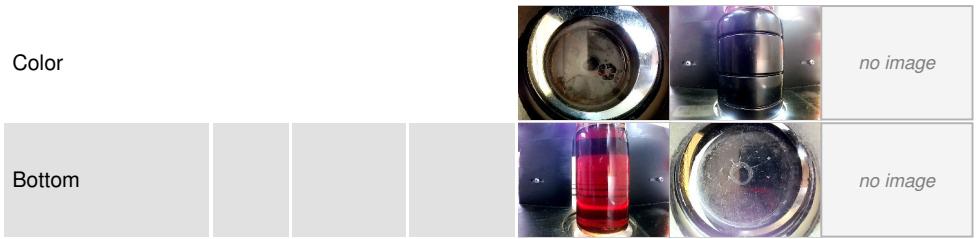
# OIL ANALYSIS REPORT



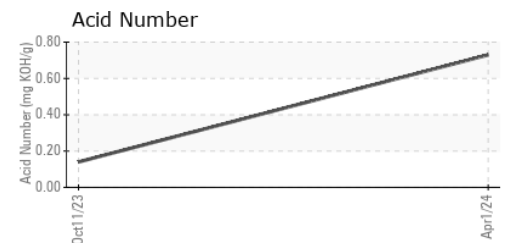
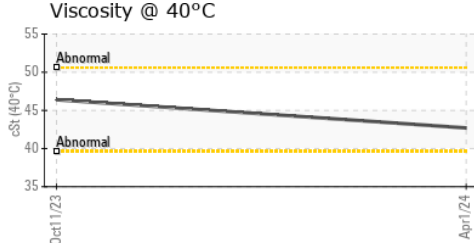
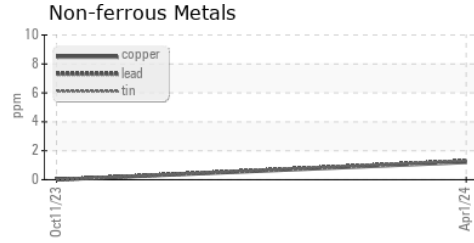
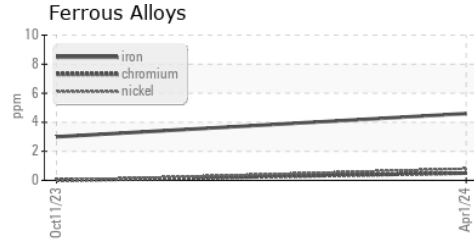
| VISUAL           | method | limit/base | current | history1     | history2 |     |
|------------------|--------|------------|---------|--------------|----------|-----|
| White Metal      | scalar | *Visual    | NONE    | <b>NONE</b>  | NONE     | --- |
| Yellow Metal     | scalar | *Visual    | NONE    | <b>NONE</b>  | NONE     | --- |
| Precipitate      | scalar | *Visual    | NONE    | <b>NONE</b>  | NONE     | --- |
| Silt             | scalar | *Visual    | NONE    | <b>NONE</b>  | NONE     | --- |
| Debris           | scalar | *Visual    | NONE    | <b>NONE</b>  | NONE     | --- |
| Sand/Dirt        | scalar | *Visual    | NONE    | <b>NONE</b>  | NONE     | --- |
| Appearance       | scalar | *Visual    | NORML   | <b>NORML</b> | NORML    | --- |
| Odor             | scalar | *Visual    | NORML   | <b>NORML</b> | NORML    | --- |
| Emulsified Water | scalar | *Visual    | >0.1    | <b>NEG</b>   | NEG      | --- |
| Free Water       | scalar | *Visual    |         | <b>NEG</b>   | NEG      | --- |

| FLUID PROPERTIES | method | limit/base | current     | history1 | history2 |
|------------------|--------|------------|-------------|----------|----------|
| Visc @ 40°C      | cSt    | ASTM D445  | <b>42.7</b> | 46.4     | ---      |

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



## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UHC0000839      **Received** : 11 Apr 2024  
**Lab Number** : **06145986**      **Tested** : 12 Apr 2024  
**Unique Number** : 10976064      **Diagnosed** : 15 Apr 2024 - Don Baldrige  
**Test Package** : IND 2

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 HOSCHTON, GA 30548  
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 T: (470)252-9952  
 F: x:

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)