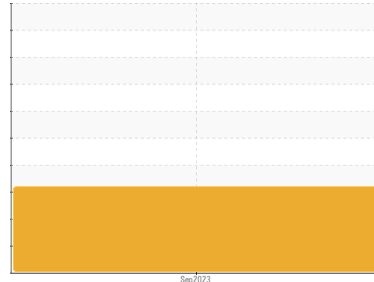




# PROBLEM SUMMARY

Sample Rating Trend



**WATER**



Machine Id

**ARTICO B2**

Component

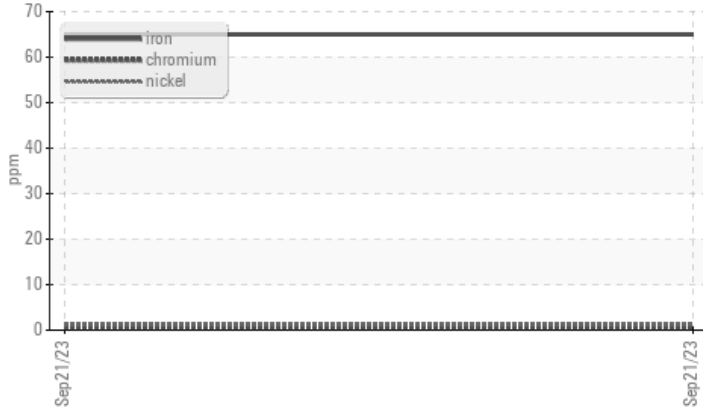
**Refrigeration Compressor**

Fluid

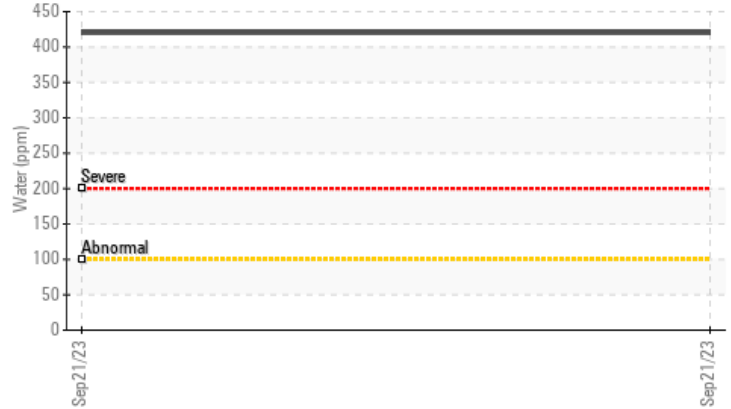
**REFRIG COMP OIL ISO 68 (--- GAL)**

## COMPONENT CONDITION SUMMARY

### ▲ Ferrous Alloys



### ▲ Water (KF)



## RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor.

## PROBLEMATIC TEST RESULTS

Sample Status				<b>ABNORMAL</b>	---	---
Iron	ppm	ASTM D5185m	>8	▲ <b>65</b>	---	---
Water	%	ASTM D6304	>0.01	▲ <b>0.042</b>	---	---
ppm Water	ppm	ASTM D6304	>100	▲ <b>420.2</b>	---	---
Silt	scalar	*Visual	NONE	▲ <b>MODER</b>	---	---

Customer Id: DHRHOM  
 Sample No.: WC0854643  
 Lab Number: 05962251  
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:  
 Don Baldrige +1  
[don.b505@comcast.net](mailto:don.b505@comcast.net)

To change component or sample information:  
 Customer Service +1 1-800-237-1369  
[customerservice@wearcheck.com](mailto:customerservice@wearcheck.com)

## RECOMMENDED ACTIONS

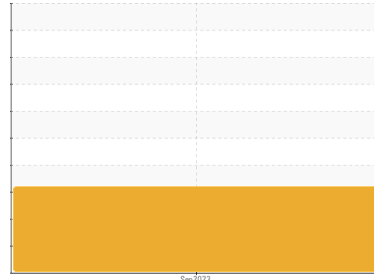
Action	Status	Date	Done By	Description
Change Filter	---	---	?	We recommend you service the filters on this component.

## HISTORICAL DIAGNOSIS



# OIL ANALYSIS REPORT

Sample Rating Trend



**WATER**



Machine Id  
**ARTICO B2**

Component  
**Refrigeration Compressor**

Fluid  
**REFRIG COMP OIL ISO 68 (--- GAL)**

## DIAGNOSIS

### ▲ Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor.

### ▲ Wear

The iron level is abnormal. All other component wear rates are normal.

### ▲ Contamination

There is a moderate amount of visible silt present in the sample. There is a light concentration of water present in the oil.

### Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0854643</b>	---	---
Sample Date	Client Info		<b>21 Sep 2023</b>	---	---
Machine Age	hrs	Client Info	<b>73496</b>	---	---
Oil Age	hrs	Client Info	<b>0</b>	---	---
Oil Changed		Client Info	<b>N/A</b>	---	---
Sample Status			<b>ABNORMAL</b>	---	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >8	<b>▲ 65</b>	---	---
Chromium	ppm	ASTM D5185m >2	<b>&lt;1</b>	---	---
Nickel	ppm	ASTM D5185m	<b>1</b>	---	---
Titanium	ppm	ASTM D5185m	<b>0</b>	---	---
Silver	ppm	ASTM D5185m >2	<b>0</b>	---	---
Aluminum	ppm	ASTM D5185m >3	<b>0</b>	---	---
Lead	ppm	ASTM D5185m >2	<b>0</b>	---	---
Copper	ppm	ASTM D5185m >8	<b>&lt;1</b>	---	---
Tin	ppm	ASTM D5185m >4	<b>0</b>	---	---
Vanadium	ppm	ASTM D5185m	<b>0</b>	---	---
Cadmium	ppm	ASTM D5185m	<b>&lt;1</b>	---	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 5	<b>0</b>	---	---
Barium	ppm	ASTM D5185m 5	<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185m 5	<b>0</b>	---	---
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	---	---
Magnesium	ppm	ASTM D5185m 5	<b>&lt;1</b>	---	---
Calcium	ppm	ASTM D5185m 12	<b>4</b>	---	---
Phosphorus	ppm	ASTM D5185m 12	<b>0</b>	---	---
Zinc	ppm	ASTM D5185m 12	<b>16</b>	---	---
Sulfur	ppm	ASTM D5185m 1000	<b>38</b>	---	---

## CONTAMINANTS

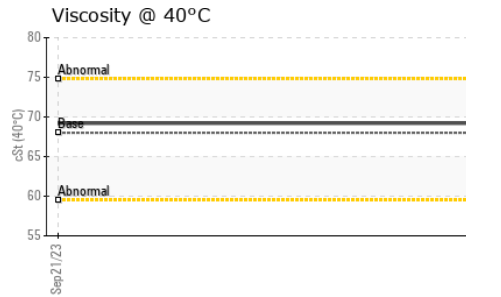
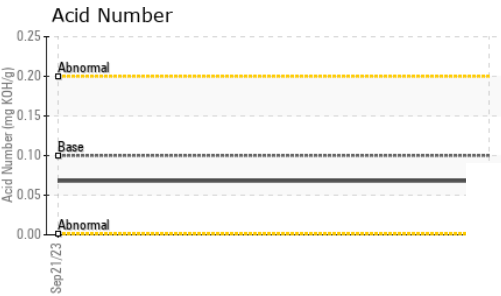
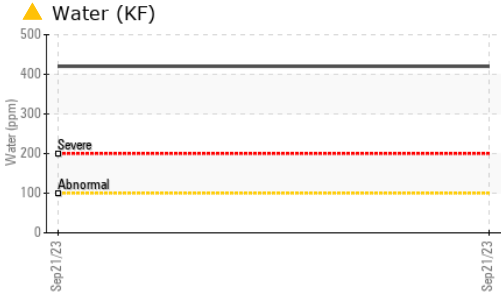
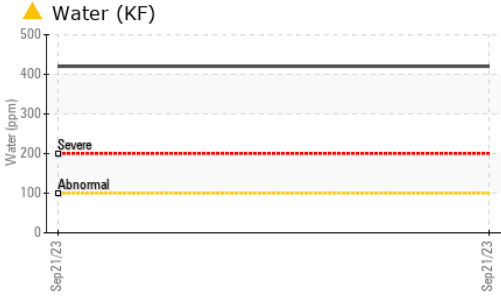
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >15	<b>1</b>	---	---
Sodium	ppm	ASTM D5185m	<b>3</b>	---	---
Potassium	ppm	ASTM D5185m >20	<b>&lt;1</b>	---	---
Water	%	ASTM D6304 >0.01	<b>▲ 0.042</b>	---	---
ppm Water	ppm	ASTM D6304 >100	<b>▲ 420.2</b>	---	---

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974 0.10	<b>0.068</b>	---	---



# OIL ANALYSIS REPORT



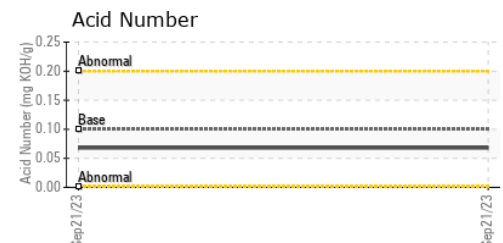
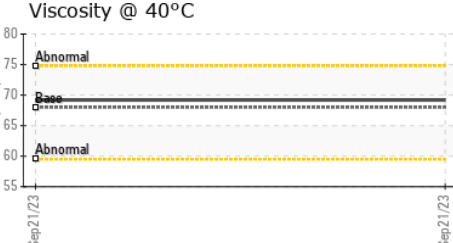
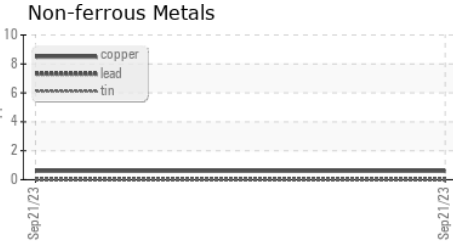
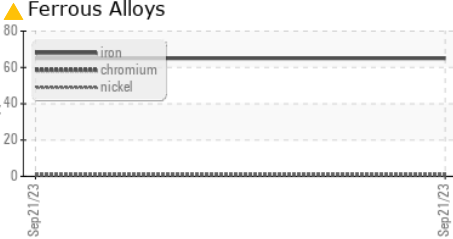
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Precipitate	scalar	*Visual	NONE	NONE	---	---
Silt	scalar	*Visual	NONE	▲ MODER	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.01	NEG	---	---
Free Water	scalar	*Visual		NEG	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 68	69.2	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color		no image	no image
Bottom		no image	no image

### GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0854643 **Received** : 27 Sep 2023  
**Lab Number** : 05962251 **Diagnosed** : 28 Sep 2023  
**Unique Number** : 10668802 **Diagnostician** : Don Baldrige  
**Test Package** : IND 2

**D&H REFRIGERATION**  
 15811 ANNICO DRIVE UNITS 2&3  
 HOMER GLEN, IL  
 US 60491  
 Contact: JOE HANKINS  
 jhankins@dandhrefrigeration.com  
 T: (708)205-5693  
 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)