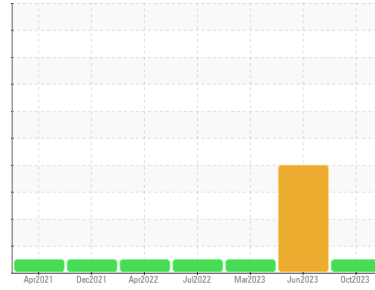




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**VILTER C8 - COCA COLA MONTGOMERY AL (S/N 11014AR)**  
 Component  
**Refrigeration Compressor**  
 Fluid  
**SR 2033 (--- GAL)**

## 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>WC0832868</b>	WC0818858	WC0766792
Sample Date	Client Info	<b>05 Oct 2023</b>	22 Jun 2023	29 Mar 2023
Machine Age	hrs Client Info	<b>24381</b>	28787	27951
Oil Age	hrs Client Info	<b>0</b>	0	0
Oil Changed	Client Info	<b>N/A</b>	N/A	N/A
Sample Status		<b>NORMAL</b>	ABNORMAL	NORMAL

## WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185m	>8	<b>0</b>	2	0
Chromium ppm ASTM D5185m	>2	<b>0</b>	▲ 2	0
Nickel ppm ASTM D5185m		<b>0</b>	2	0
Titanium ppm ASTM D5185m		<b>&lt;1</b>	2	0
Silver ppm ASTM D5185m	>2	<b>0</b>	▲ 1	0
Aluminum ppm ASTM D5185m	>3	<b>0</b>	▲ 4	0
Lead ppm ASTM D5185m	>2	<b>0</b>	▲ 5	0
Copper ppm ASTM D5185m	>8	<b>0</b>	2	0
Tin ppm ASTM D5185m	>4	<b>0</b>	▲ 2	0
Vanadium ppm ASTM D5185m		<b>0</b>	1	0
Cadmium ppm ASTM D5185m		<b>0</b>	2	0

## ADDITIVES

method	limit/base	current	history1	history2
Boron ppm ASTM D5185m		<b>0</b>	0	0
Barium ppm ASTM D5185m		<b>1</b>	8	0
Molybdenum ppm ASTM D5185m		<b>0</b>	2	0
Manganese ppm ASTM D5185m		<b>0</b>	2	<1
Magnesium ppm ASTM D5185m		<b>3</b>	9	<1
Calcium ppm ASTM D5185m		<b>0</b>	1	0
Phosphorus ppm ASTM D5185m		<b>1</b>	6	1
Zinc ppm ASTM D5185m		<b>0</b>	8	0
Sulfur ppm ASTM D5185m		<b>2</b>	0	0

## CONTAMINANTS

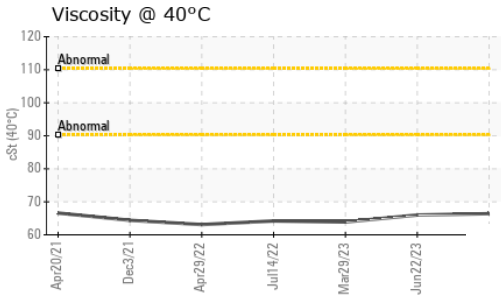
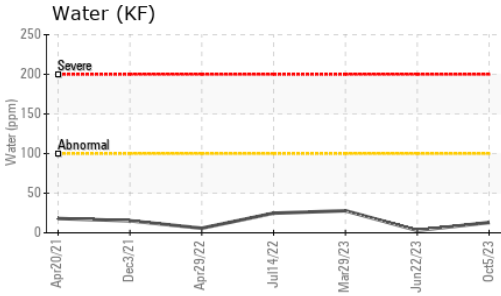
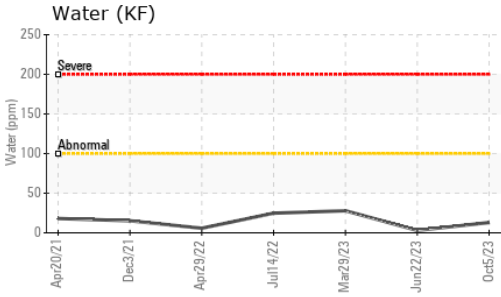
method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m	>15	<b>0</b>	2	0
Sodium ppm ASTM D5185m		<b>&lt;1</b>	2	<1
Potassium ppm ASTM D5185m	>20	<b>0</b>	6	0
Water % ASTM D6304	>0.01	<b>0.001</b>	0.001	0.003
ppm Water ppm ASTM D6304	>100	<b>13.0</b>	3.0	27.9

## FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g ASTM D974		<b>0.013</b>	0.015	0.015



# OIL ANALYSIS REPORT

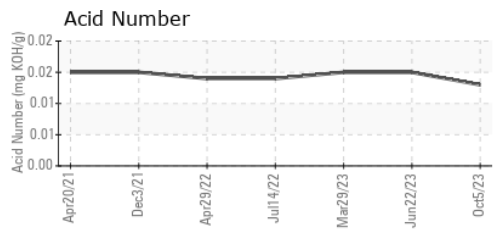
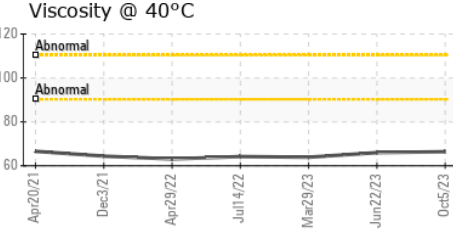
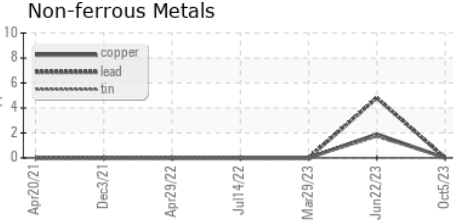
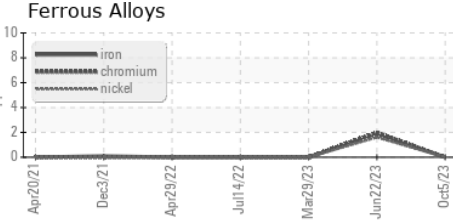


PARAMETER	VISUAL	method	limit/base	current	history1	history2
White Metal		scalar	*Visual	NONE	NONE	NONE
Yellow Metal		scalar	*Visual	NONE	NONE	NONE
Precipitate		scalar	*Visual	NONE	NONE	NONE
Silt		scalar	*Visual	NONE	NONE	NONE
Debris		scalar	*Visual	NONE	NONE	LIGHT
Sand/Dirt		scalar	*Visual	NONE	NONE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

PARAMETER	method	limit/base	current	history1	history2
FLUID PROPERTIES					
Visc @ 40°C	cSt	ASTM D445	66.4	66.0	63.9

PARAMETER	method	limit/base	current	history1	history2
SAMPLE IMAGES					
Color					
Bottom					

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0832868 **Received** : 13 Oct 2023  
**Lab Number** : 05978341 **Diagnosed** : 16 Oct 2023  
**Unique Number** : 10695636 **Diagnostician** : Doug Bogart  
**Test Package** : IND 2

**SOUTHEASTERN REFRIGERATION**  
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 BIRMINGHAM, AL  
 US 35204  
 Contact: GREGG KING  
 gregg@serfco.com  
 T: (205)322-6587  
 F: (205)322-6580

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)