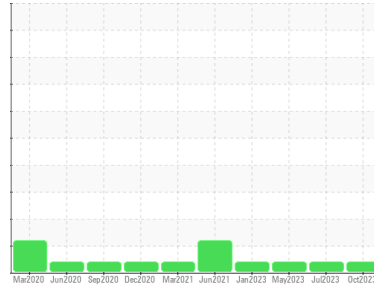


# PROBLEM SUMMARY

Sample Rating Trend

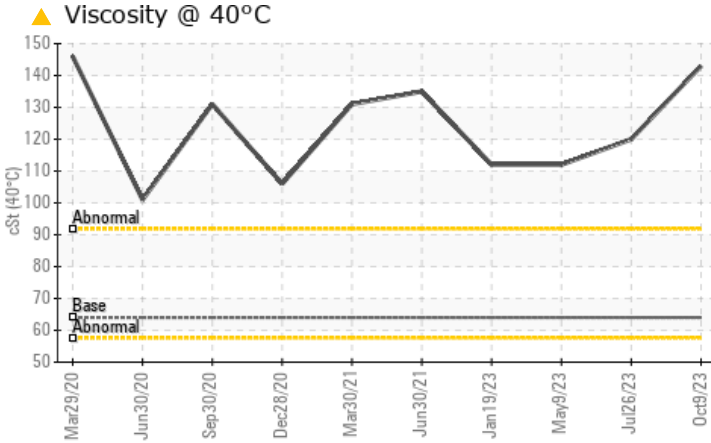


## VISCOSITY



Machine Id  
**RC-1 (S/N 32457)**  
 Component  
**Reciprocating Compressor**  
 Fluid  
**CHEVRON REFRIGERATION OIL WF 68 (--- GAL)**

### COMPONENT CONDITION SUMMARY



### RECOMMENDATION

Resample at the next service interval to monitor.

### PROBLEMATIC TEST RESULTS

Sample Status				ATTENTION	ATTENTION	ATTENTION
Visc @ 40°C	cSt	ASTM D445	64.0	▲ 143	▲ 120	▲ 112

Customer Id: KRAWAL  
 Sample No.: PCA0106625  
 Lab Number: 05978330  
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:  
 Doug Bogart +1 (800)237-1369 x4016  
[dougb@wearcheckusa.com](mailto:dougb@wearcheckusa.com)

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

## RECOMMENDED ACTIONS

*There are no recommended actions for this sample.*

## HISTORICAL DIAGNOSIS

**26 Jul 2023 Diag: Don Baldrige**

### VISCOSITY



Resample at the next service interval to monitor. All component wear rates are normal. The water content is negligible. The amount and size of particulates present in the system are acceptable. The oil viscosity is higher than normal. The AN level is acceptable for this fluid.

view report



**09 May 2023 Diag: Jonathan Hester**

### VISCOSITY



The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. The water content is negligible. The amount and size of particulates present in the system are acceptable. The oil viscosity is higher than normal. The AN level is acceptable for this fluid.

view report



**19 Jan 2023 Diag: Angela Borella**

### VISCOSITY



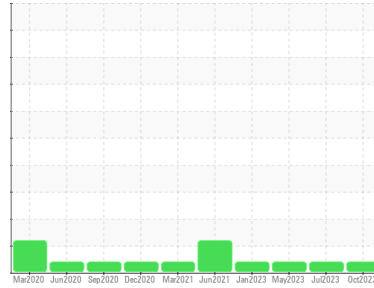
The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. The water content is negligible. The amount and size of particulates present in the system are acceptable. The oil viscosity is higher than normal. The AN level is acceptable for this fluid.

view report



# OIL ANALYSIS REPORT

Sample Rating Trend



## VISCOSITY



Machine Id  
**RC-1 (S/N 32457)**  
 Component  
**Reciprocating Compressor**  
 Fluid  
**CHEVRON REFRIGERATION OIL WF 68 (--- GAL)**

### DIAGNOSIS

#### ▲ Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

The water content is negligible. The amount and size of particulates present in the system are acceptable.

#### ▲ Fluid Condition

The oil viscosity is higher than normal. The AN level is acceptable for this fluid.

### SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>PCA0106625</b>	PCA0101699	PCA0095710
Sample Date	Client Info		<b>09 Oct 2023</b>	26 Jul 2023	09 May 2023
Machine Age	hrs	Client Info	<b>55568</b>	54524	54138
Oil Age	hrs	Client Info	<b>2962</b>	1749	1311
Oil Changed	Client Info		<b>Not Chngd</b>	Not Chngd	Not Chngd
Sample Status			<b>ATTENTION</b>	ATTENTION	ATTENTION

### WEAR METALS

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

### ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>0</b>	0	0
Barium	ppm	ASTM D5185m	<b>1</b>	0	11
Molybdenum	ppm	ASTM D5185m	<b>0</b>	0	<1
Manganese	ppm	ASTM D5185m	<b>0</b>	0	0
Magnesium	ppm	ASTM D5185m	<b>2</b>	0	14
Calcium	ppm	ASTM D5185m	<b>0</b>	0	20
Phosphorus	ppm	ASTM D5185m	<b>0</b>	0	16
Zinc	ppm	ASTM D5185m	<b>0</b>	0	73
Sulfur	ppm	ASTM D5185m	<b>170</b>	137	157

### CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<b>1</b>	1	<1
Sodium	ppm	ASTM D5185m	<b>&lt;1</b>	<1	<1
Potassium	ppm	ASTM D5185m >20	<b>0</b>	0	0
Water	%	ASTM D6304 >0.1	<b>0.001</b>	0.00	0.005
ppm Water	ppm	ASTM D6304 >1000	<b>10.4</b>	0.00	53.2

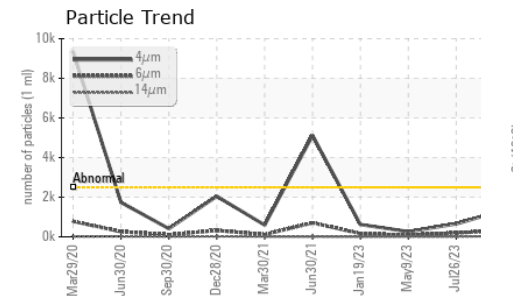
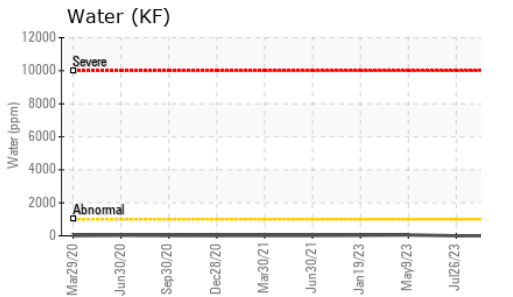
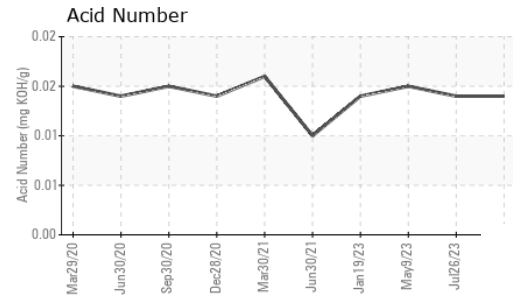
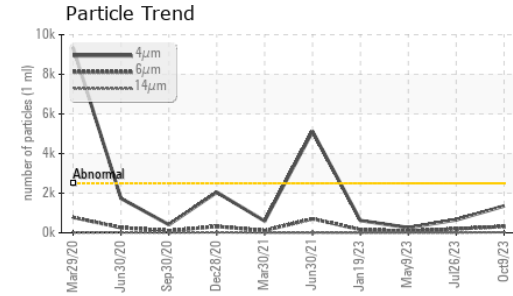
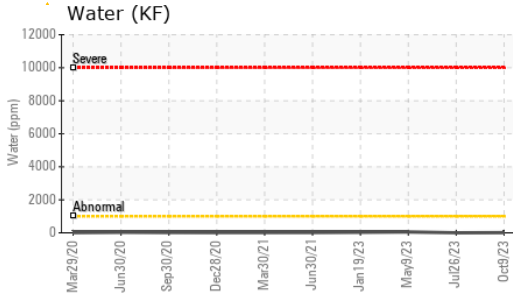
### FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>2500	<b>1355</b>	653	263
Particles >6µm	ASTM D7647	>320	<b>319</b>	199	87
Particles >14µm	ASTM D7647	>40	<b>28</b>	12	9
Particles >21µm	ASTM D7647	>10	<b>9</b>	3	2
Particles >38µm	ASTM D7647	>3	<b>0</b>	0	0
Particles >71µm	ASTM D7647	>3	<b>0</b>	0	0
Oil Cleanliness	ISO 4406 (c)	>18/15/12	<b>18/15/12</b>	17/15/11	15/14/10

### FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	<b>0.014</b>	0.014	0.015

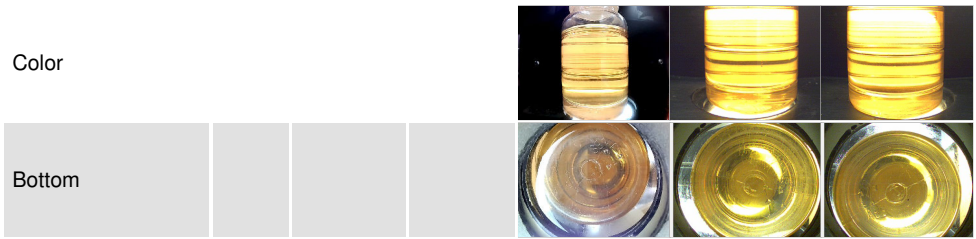
# OIL ANALYSIS REPORT



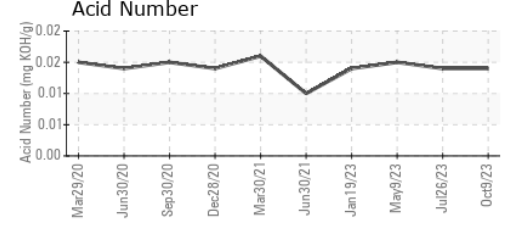
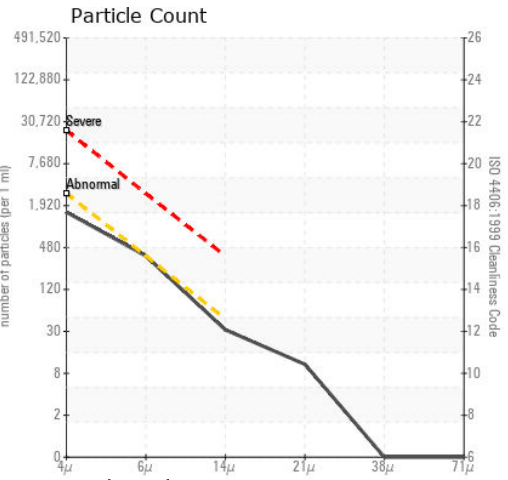
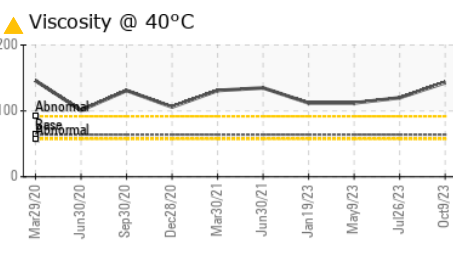
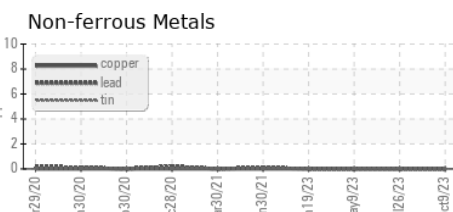
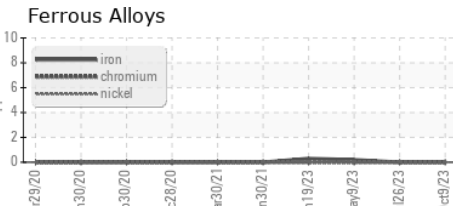
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	64.0 ▲ 143	▲ 120	▲ 112

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



## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0106625  
**Lab Number** : 05978330  
**Unique Number** : 10695625  
**Test Package** : IND 2 ( Additional Tests: KF, PrtCount )

**KraftHeinz - Walton - Plant UNK**  
 261 Delaware St.  
 Walton, NY  
 US 13856  
 Contact: Cindy Scofield  
 cindy.scofield@kraft.com  
 T: (607)865-2330  
 F: (607)865-8863

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)