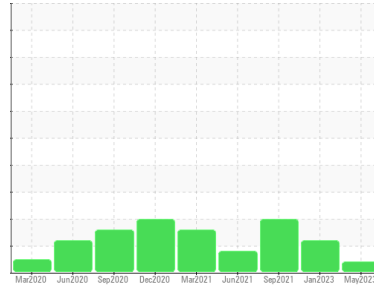




# PROBLEM SUMMARY

Sample Rating Trend



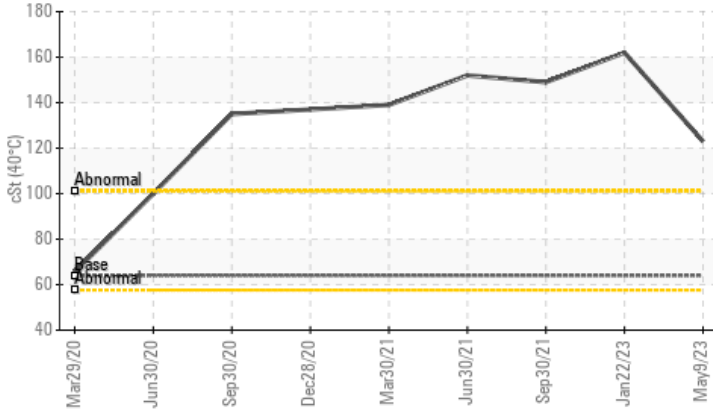
## VISCOSITY



Machine Id  
**RC-9 (S/N 62335)**  
 Component  
**Reciprocating Compressor**  
 Fluid  
**CHEVRON REFRIGERATION OIL WF 68 (--- GAL)**

### COMPONENT CONDITION SUMMARY

▲ Viscosity @ 40°C



### RECOMMENDATION

No corrective action is recommended at this time.  
 Resample at the next service interval to monitor.

### PROBLEMATIC TEST RESULTS

Sample Status				ATTENTION	ATTENTION	ABNORMAL
Visc @ 40°C	cSt	ASTM D445	64.0	▲ 123	▲ 162	▲ 149

Customer Id: KRAWAL  
 Sample No.: PCA0095718  
 Lab Number: 05853244  
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:  
 Jonathan Hester +1 919-379-4092 x4092  
[jhester@wearcheckusa.com](mailto:jhester@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

**22 Jan 2023 Diag: Jonathan Hester**

### VISCOSITY



Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The water content is negligible. The oil viscosity is higher than normal. The AN level is acceptable for this fluid.

view report



**30 Sep 2021 Diag: Don Baldrige**

### VISCOSITY



We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of particulates present in the oil. The oil viscosity is higher than normal. The AN level is acceptable for this fluid.

view report



**30 Jun 2021 Diag: Don Baldrige**

### VISCOSITY



Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The water content is negligible. The oil viscosity is higher than normal. The AN level is acceptable for this fluid.

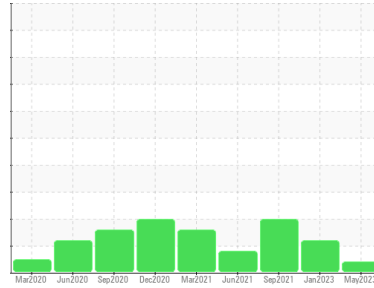
view report



Machine Id  
**RC-9 (S/N 62335)**

Component  
**Reciprocating Compressor**

Fluid  
**CHEVRON REFRIGERATION OIL WF 68 (--- GAL)**



## DIAGNOSIS

### ▲ Recommendation

No corrective action is recommended at this time. 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. 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>PCA0095718</b>	PCA0088360	PCA0059323	
Sample Date	Client Info	<b>09 May 2023</b>	22 Jan 2023	30 Sep 2021	
Machine Age	hrs	Client Info	<b>37875</b>	35805	29215
Oil Age	hrs	Client Info	<b>938</b>	11405	4659
Oil Changed	Client Info	<b>Changed</b>	Not Changd	Not Changd	
Sample Status		<b>ATTENTION</b>	ATTENTION	ABNORMAL	

## WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m >50	<b>&lt;1</b>	1	<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>0</b>	0	0
Silver	ppm	ASTM D5185m	<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185m >25	<b>0</b>	0	4
Lead	ppm	ASTM D5185m >25	<b>0</b>	0	0
Copper	ppm	ASTM D5185m >50	<b>0</b>	0	<1
Tin	ppm	ASTM D5185m >15	<b>0</b>	0	<1
Antimony	ppm	ASTM D5185m	<b>---</b>	---	0
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	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>11</b>	0	0
Molybdenum	ppm	ASTM D5185m	<b>0</b>	0	0
Manganese	ppm	ASTM D5185m	<b>0</b>	0	0
Magnesium	ppm	ASTM D5185m	<b>14</b>	0	0
Calcium	ppm	ASTM D5185m	<b>14</b>	0	0
Phosphorus	ppm	ASTM D5185m	<b>16</b>	3	5
Zinc	ppm	ASTM D5185m	<b>71</b>	0	0
Sulfur	ppm	ASTM D5185m	<b>218</b>	0	257

## CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m >25	<b>0</b>	0	0
Sodium	ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Potassium	ppm	ASTM D5185m >20	<b>0</b>	0	0
Water	%	ASTM D6304 >0.1	<b>0.002</b>	0.006	0.003
ppm Water	ppm	ASTM D6304 >1000	<b>18.2</b>	64.9	33.2

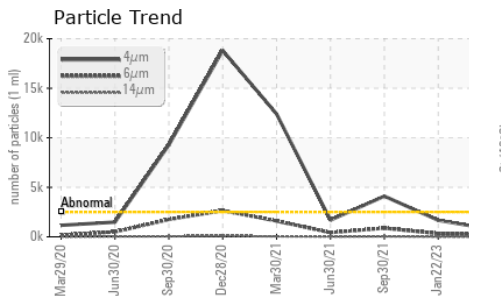
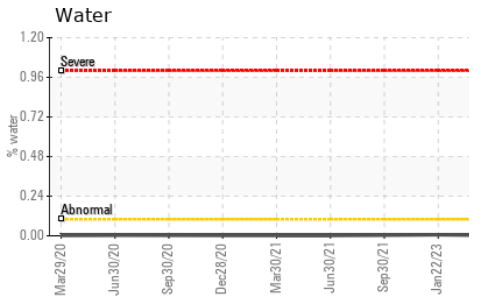
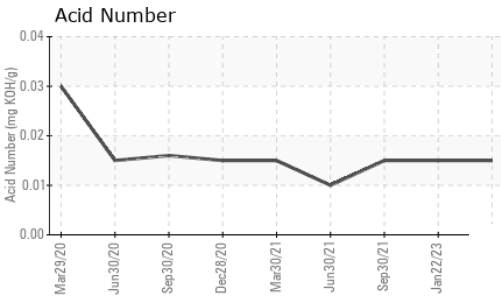
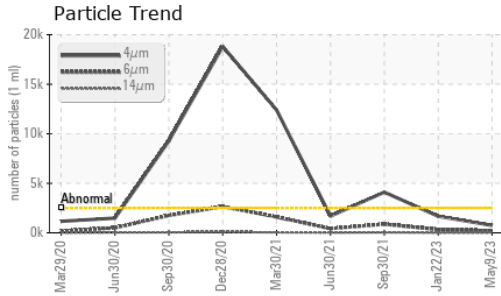
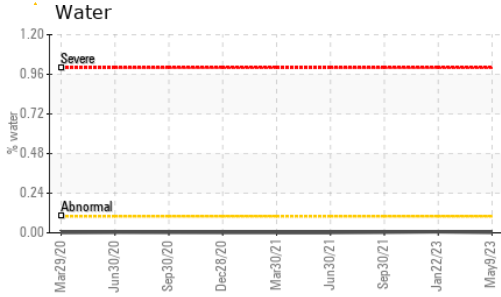
## FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >2500	<b>749</b>	1668	▲ 4105
Particles >6µm	ASTM D7647 >320	<b>200</b>	▲ 338	▲ 875
Particles >14µm	ASTM D7647 >40	<b>15</b>	7	▲ 45
Particles >21µm	ASTM D7647 >10	<b>3</b>	2	▲ 11
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>17/15/11</b>	▲ 18/16/10	▲ 19/17/13

## FLUID DEGRADATION

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

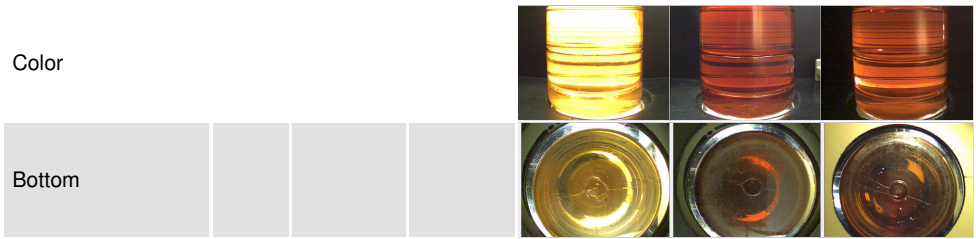
# OIL ANALYSIS REPORT



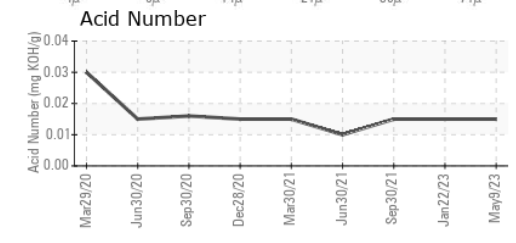
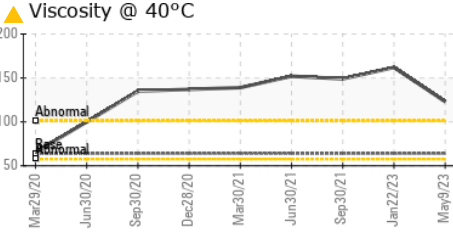
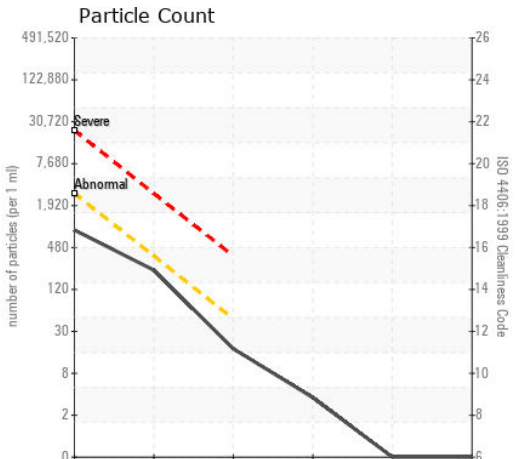
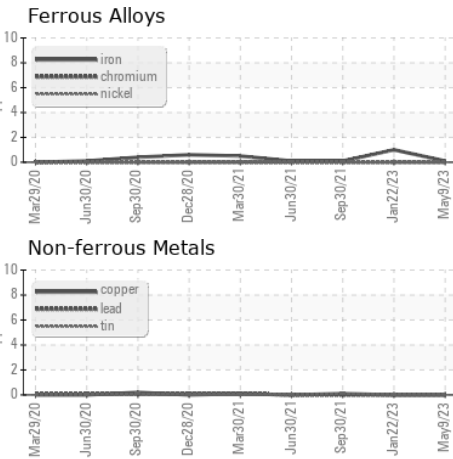
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	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 ▲ 123	▲ 162	▲ 149

SAMPLE IMAGES	method	limit/base	current	history1	history2
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## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0095718 **Received** : 22 May 2023  
**Lab Number** : 05853244 **Diagnosed** : 24 May 2023  
**Unique Number** : 10482599 **Diagnostician** : Jonathan Hester  
**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

Certificate L2367  
 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)