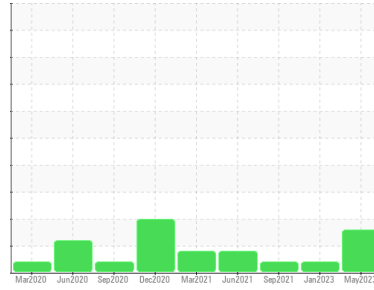


PROBLEM SUMMARY

Sample Rating Trend

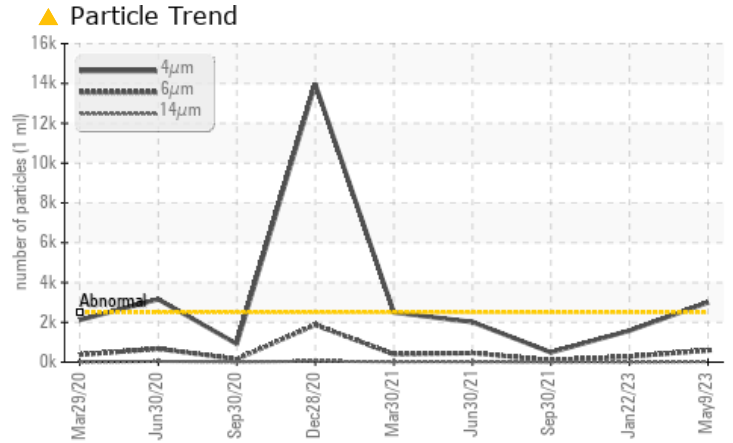
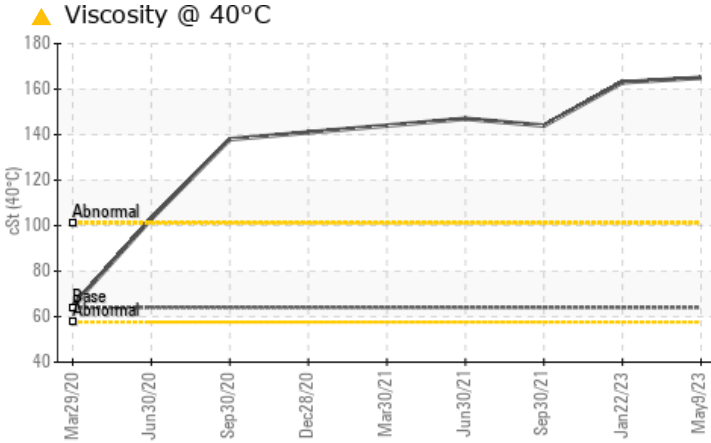


VISCOSITY



Machine Id
RC-8 (S/N 62332)
 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
Particles >4µm	ASTM D7647	>2500	▲ 2999	1582	487
Particles >6µm	ASTM D7647	>320	▲ 594	286	95
Oil Cleanliness	ISO 4406 (c)	>18/15/12	▲ 19/16/12	18/15/10	16/14/10
Visc @ 40°C	cSt	ASTM D445 64.0	▲ 165	▲ 163	▲ 144

Customer Id: KRAWAL
 Sample No.: PCA0095716
 Lab Number: 05853245
 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

To change component or sample information:
 Customer Service +1 1-800-237-1369
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. 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



30 Sep 2021 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



30 Jun 2021 Diag: Don Baldrige

VISCOSITY



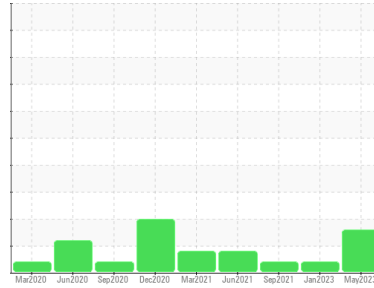
Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The water content is negligible. The oil viscosity is higher than normal. The AN level is acceptable for this fluid.

view report



OIL ANALYSIS REPORT

Sample Rating Trend



VISCOSITY



Machine Id
RC-8 (S/N 62332)

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

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The water content is negligible.

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	PCA0095716	PCA0088359	PCA0059322
Sample Date	Client Info	09 May 2023	22 Jan 2023	30 Sep 2021
Machine Age	hrs	33740	33733	27612
Oil Age	hrs	8753	8746	2534
Oil Changed	Client Info	Not Chngd	Not Chngd	N/A
Sample Status		ATTENTION	ATTENTION	ATTENTION

WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m >50	<1	0	0
Chromium	ppm	ASTM D5185m >10	0	0	0
Nickel	ppm	ASTM D5185m	0	0	0
Titanium	ppm	ASTM D5185m	0	0	0
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m >25	0	0	4
Lead	ppm	ASTM D5185m >25	0	0	0
Copper	ppm	ASTM D5185m >50	0	0	0
Tin	ppm	ASTM D5185m >15	0	0	0
Antimony	ppm	ASTM D5185m	---	---	0
Vanadium	ppm	ASTM D5185m	0	0	0
Cadmium	ppm	ASTM D5185m	0	0	0

ADDITIVES

method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	0	0	0
Barium	ppm	ASTM D5185m	11	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0
Manganese	ppm	ASTM D5185m	0	0	0
Magnesium	ppm	ASTM D5185m	14	0	0
Calcium	ppm	ASTM D5185m	13	0	0
Phosphorus	ppm	ASTM D5185m	14	3	4
Zinc	ppm	ASTM D5185m	71	0	0
Sulfur	ppm	ASTM D5185m	220	0	249

CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m >25	0	0	0
Sodium	ppm	ASTM D5185m	<1	0	0
Potassium	ppm	ASTM D5185m >20	0	0	0
Water	%	ASTM D6304 >0.1	0.002	0.005	0.004
ppm Water	ppm	ASTM D6304 >1000	20.3	57.2	46.1

FLUID CLEANLINESS

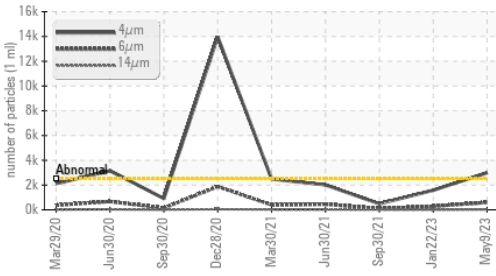
method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >2500	▲ 2999	1582	487
Particles >6µm	ASTM D7647 >320	▲ 594	286	95
Particles >14µm	ASTM D7647 >40	29	9	10
Particles >21µm	ASTM D7647 >10	4	2	1
Particles >38µm	ASTM D7647 >3	0	1	0
Particles >71µm	ASTM D7647 >3	0	0	0
Oil Cleanliness	ISO 4406 (c) >18/15/12	▲ 19/16/12	18/15/10	16/14/10

FLUID DEGRADATION

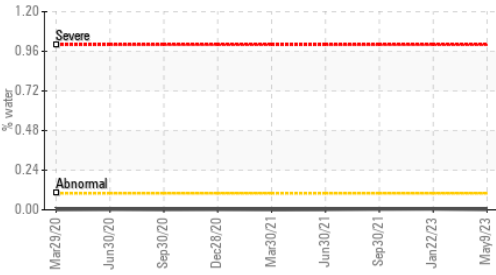
method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045	0.015	0.015	0.015

OIL ANALYSIS REPORT

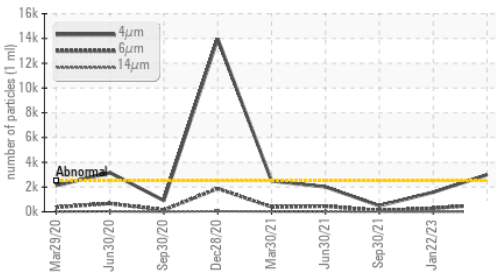
▲ Particle Trend



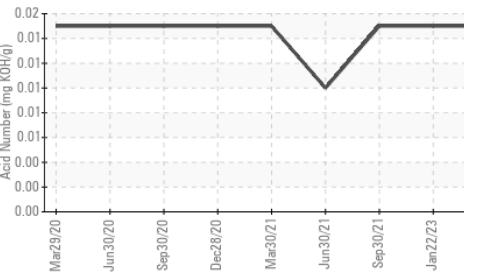
Water



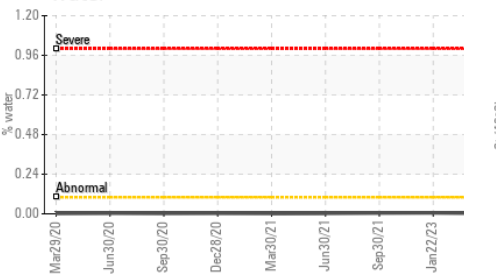
▲ Particle Trend



Acid Number



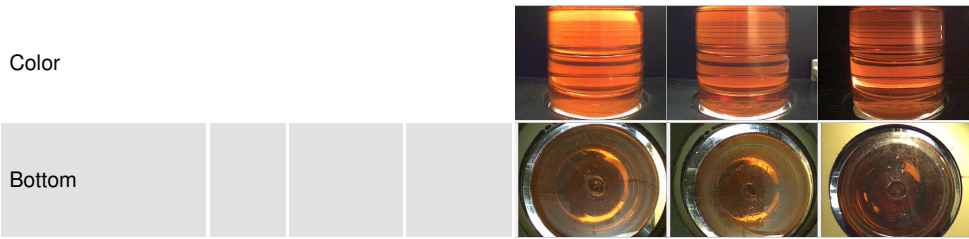
Water



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

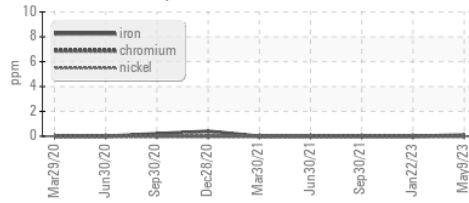
FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	64.0 ▲ 165	▲ 163	▲ 144

SAMPLE IMAGES	method	limit/base	current	history1	history2
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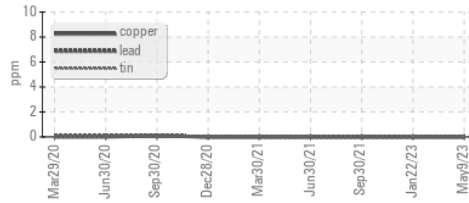


GRAPHS

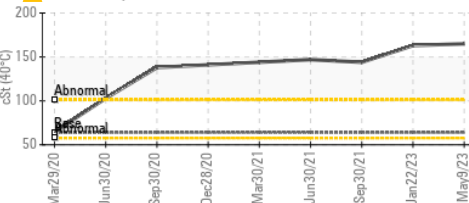
Ferrous Alloys



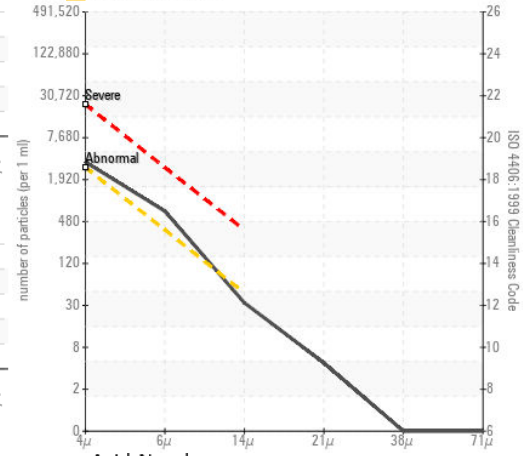
Non-ferrous Metals



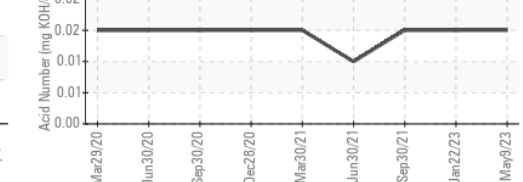
▲ Viscosity @ 40°C



▲ Particle Count



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0095716 **Received** : 22 May 2023
Lab Number : 05853245 **Diagnosed** : 24 May 2023
Unique Number : 10482600 **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

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)