



PROBLEM SUMMARY

Area
CONGEBEC INC GTAA [4501206147]
 Machine Id
FRICK C1 (S/N 10247H76805346)
 Component
Screw Compressor
 Fluid
CIMCO TYPE A (95 GAL)

Sample Rating Trend

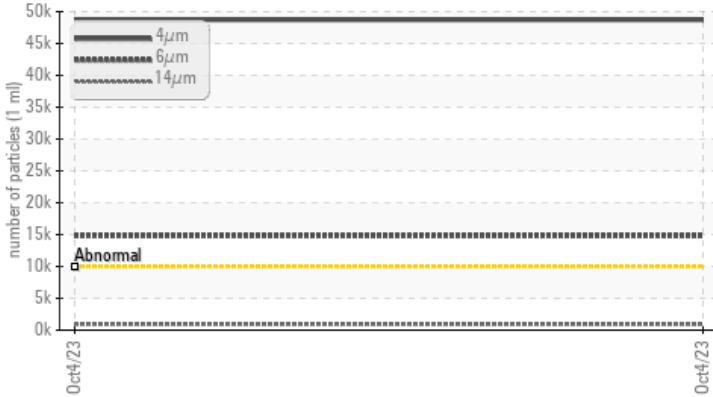


ISO

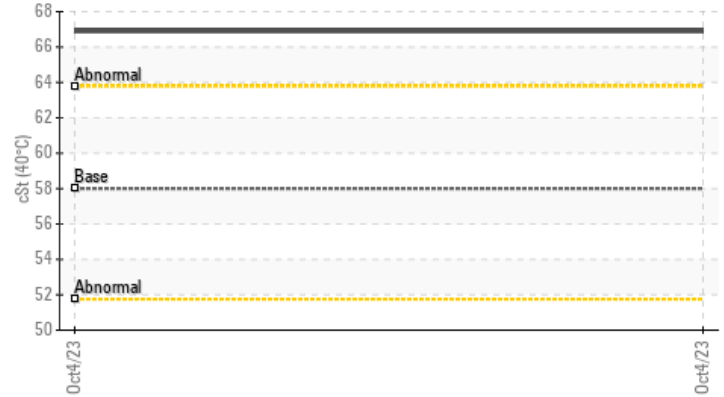


COMPONENT CONDITION SUMMARY

▲ Particle Trend



Viscosity @ 40°C



RECOMMENDATION

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status			ABNORMAL	---	---
Particles >4µm	ASTM D7647	>10000	▲ 48701	---	---
Particles >6µm	ASTM D7647	>2500	▲ 14796	---	---
Particles >14µm	ASTM D7647	>320	▲ 915	---	---
Particles >21µm	ASTM D7647	>80	▲ 211	---	---
Oil Cleanliness	ISO 4406 (c)	>20/18/15	▲ 23/21/17	---	---

Customer Id: CIMTOR
 Sample No.: WC0831707
 Lab Number: 02588288
 Test Package: IND 2



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To discuss the diagnosis or test data:
 Bill Quesnel CLS,OMA II,MLA-III,LLA-I +1
 (289)291-4641 x4641
Bill.Quesnel@wearcheck.com

To change component or sample information:
 Gloria Gonzalez +1 (289)291-4643 x4643
gloria.gonzalez@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Resample	---	---	?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS



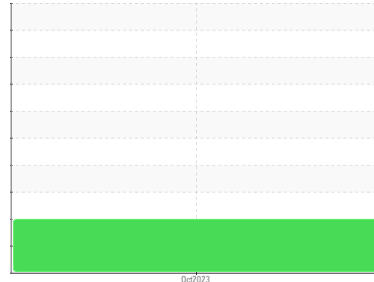
OIL ANALYSIS REPORT

Sample Rating Trend

ISO



Area
CONGEBEC INC GTAA [4501206147]
 Machine Id
FRICK C1 (S/N 10247H76805346)
 Component
Screw Compressor
 Fluid
CIMCO TYPE A (95 GAL)



DIAGNOSIS

Recommendation

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

Contamination

There is a moderate amount of particulates (2 to 100 microns in size) present in the oil. The water content is negligible.

Fluid Condition

Viscosity of sample indicates oil is within ISO 68 range, advise investigate. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WC0831707	---	---
Sample Date	Client Info	04 Oct 2023	---	---
Machine Age	hrs Client Info	44530	---	---
Oil Age	hrs Client Info	8390	---	---
Oil Changed	Client Info	Changed	---	---
Sample Status		ABNORMAL	---	---

WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185(m)	>60	<1	---	---
Chromium ppm ASTM D5185(m)	>4	0	---	---
Nickel ppm ASTM D5185(m)		0	---	---
Titanium ppm ASTM D5185(m)		0	---	---
Silver ppm ASTM D5185(m)		<1	---	---
Aluminum ppm ASTM D5185(m)	>5	0	---	---
Lead ppm ASTM D5185(m)	>10	0	---	---
Copper ppm ASTM D5185(m)	>30	<1	---	---
Tin ppm ASTM D5185(m)	>15	0	---	---
Antimony ppm ASTM D5185(m)		0	---	---
Vanadium ppm ASTM D5185(m)		0	---	---
Beryllium ppm ASTM D5185(m)		0	---	---
Cadmium ppm ASTM D5185(m)		0	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron ppm ASTM D5185(m)		<1	---	---
Barium ppm ASTM D5185(m)		2	---	---
Molybdenum ppm ASTM D5185(m)		0	---	---
Manganese ppm ASTM D5185(m)		0	---	---
Magnesium ppm ASTM D5185(m)		<1	---	---
Calcium ppm ASTM D5185(m)		<1	---	---
Phosphorus ppm ASTM D5185(m)		0	---	---
Zinc ppm ASTM D5185(m)		2	---	---
Sulfur ppm ASTM D5185(m)		12	---	---
Lithium ppm ASTM D5185(m)		<1	---	---

CONTAMINANTS

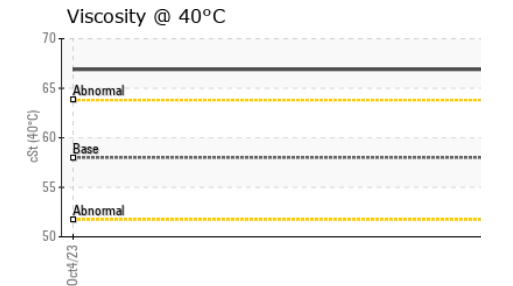
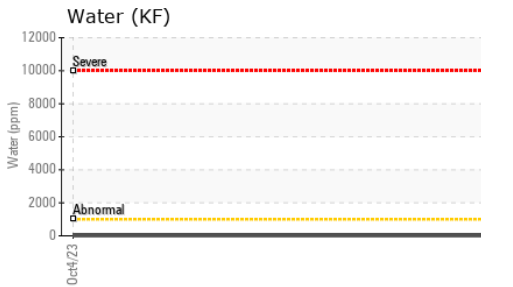
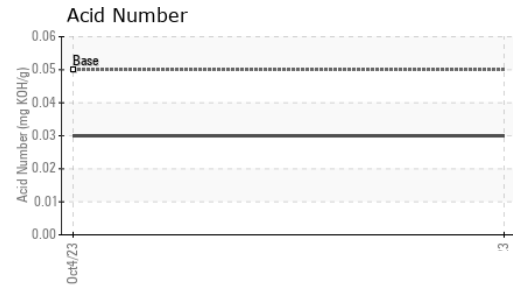
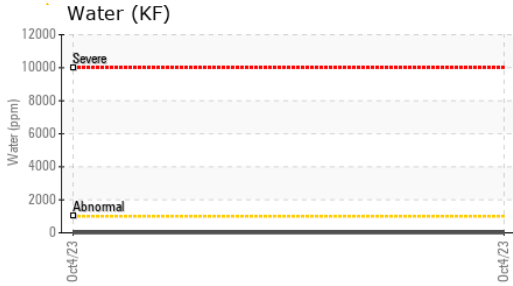
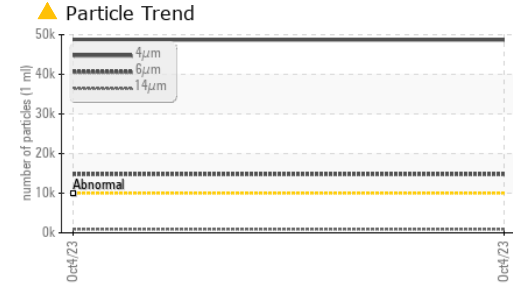
method	limit/base	current	history1	history2
Silicon ppm ASTM D5185(m)	>50	<1	---	---
Sodium ppm ASTM D5185(m)		0	---	---
Potassium ppm ASTM D5185(m)	>20	0	---	---
Water % ASTM D6304*	>0.1	0.001	---	---
ppm Water ppm ASTM D6304*	>1000	9.4	---	---

FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm ASTM D7647	>10000	▲ 48701	---	---
Particles >6µm ASTM D7647	>2500	▲ 14796	---	---
Particles >14µm ASTM D7647	>320	▲ 915	---	---
Particles >21µm ASTM D7647	>80	▲ 211	---	---
Particles >38µm ASTM D7647	>20	12	---	---
Particles >71µm ASTM D7647	>4	1	---	---
Oil Cleanliness ISO 4406 (c)	>20/18/15	▲ 23/21/17	---	---



OIL ANALYSIS REPORT



FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.05	0.03	---	---

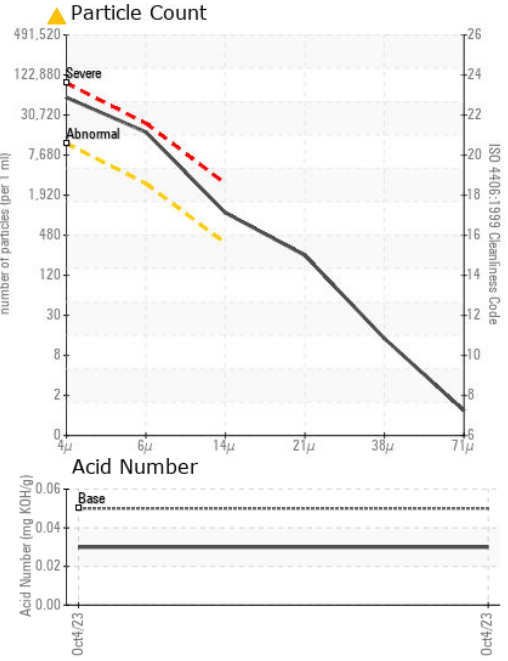
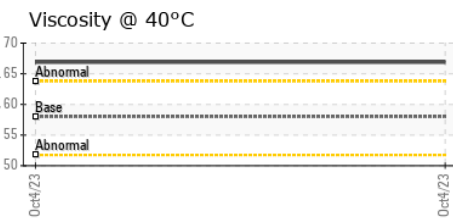
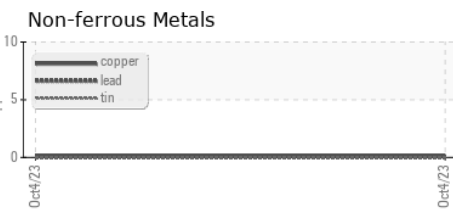
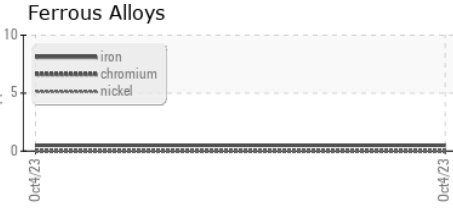
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---
Precipitate	scalar	Visual*	NONE	NONE	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE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

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	58	66.9	---	---

SAMPLE IMAGES

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

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0831707 **Received** : 11 Oct 2023
Lab Number : 02588288 **Diagnosed** : 12 Oct 2023
Unique Number : 5657354 **Diagnostician** : Bill Quesnel
Test Package : IND 2 (Additional Tests: KF, TAN Man)

CIMCO Refrigeration
 1551 Corporate Drive
 Burlington, ON
 CA L7L 6M3
 Contact: DAVID PARISE
 DPARISE@ToROMONT.COM
 T: (416)465-7581
 F: (416)465-8815

To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.