



# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**SIXTEEN MILE [4501231062]**  
 Machine Id  
**FRICK C3 (S/N 102405E92509319)**  
 Component  
**Screw Compressor**  
 Fluid  
**CIMCO TYPE A (120 LTR)**



## DIAGNOSIS

**Recommendation**  
 Resample at the next service interval to monitor.

**Wear**  
 All component wear rates are normal.

**Contamination**  
 The water content is negligible. 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>WC0885219</b>	---	---
Sample Date	Client Info		<b>07 Dec 2023</b>	---	---
Machine Age	hrs Client Info		<b>57927</b>	---	---
Oil Age	hrs Client Info		<b>1950</b>	---	---
Oil Changed	Client Info		<b>Changed</b>	---	---
Sample Status			<b>NORMAL</b>	---	---

## WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184*		<b>0</b>	---	---
Iron	ppm ASTM D5185(m)	>60	<b>2</b>	---	---
Chromium	ppm ASTM D5185(m)	>4	<b>0</b>	---	---
Nickel	ppm ASTM D5185(m)		<b>&lt;1</b>	---	---
Titanium	ppm ASTM D5185(m)		<b>0</b>	---	---
Silver	ppm ASTM D5185(m)		<b>0</b>	---	---
Aluminum	ppm ASTM D5185(m)	>5	<b>0</b>	---	---
Lead	ppm ASTM D5185(m)	>10	<b>0</b>	---	---
Copper	ppm ASTM D5185(m)	>30	<b>&lt;1</b>	---	---
Tin	ppm ASTM D5185(m)	>15	<b>0</b>	---	---
Antimony	ppm ASTM D5185(m)		<b>0</b>	---	---
Vanadium	ppm ASTM D5185(m)		<b>0</b>	---	---
Beryllium	ppm ASTM D5185(m)		<b>0</b>	---	---
Cadmium	ppm ASTM D5185(m)		<b>0</b>	---	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm ASTM D5185(m)		<b>&lt;1</b>	---	---
Barium	ppm ASTM D5185(m)		<b>&lt;1</b>	---	---
Molybdenum	ppm ASTM D5185(m)		<b>0</b>	---	---
Manganese	ppm ASTM D5185(m)		<b>0</b>	---	---
Magnesium	ppm ASTM D5185(m)		<b>&lt;1</b>	---	---
Calcium	ppm ASTM D5185(m)		<b>&lt;1</b>	---	---
Phosphorus	ppm ASTM D5185(m)		<b>0</b>	---	---
Zinc	ppm ASTM D5185(m)		<b>2</b>	---	---
Sulfur	ppm ASTM D5185(m)		<b>28</b>	---	---
Lithium	ppm ASTM D5185(m)		<b>&lt;1</b>	---	---

## CONTAMINANTS

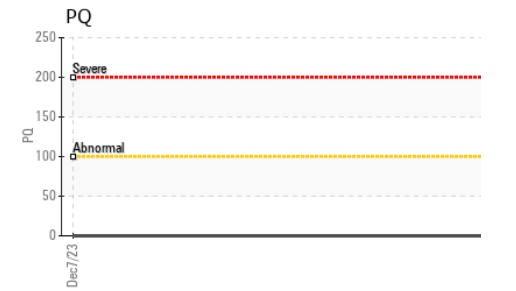
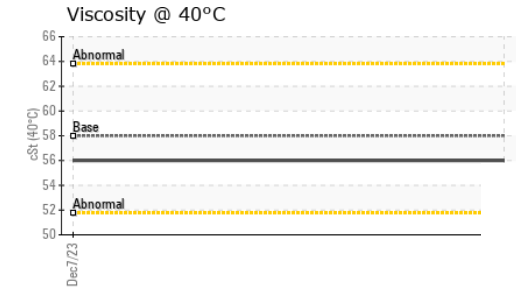
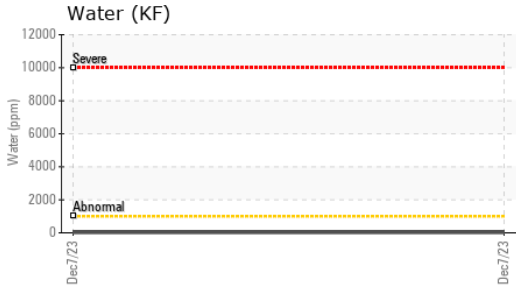
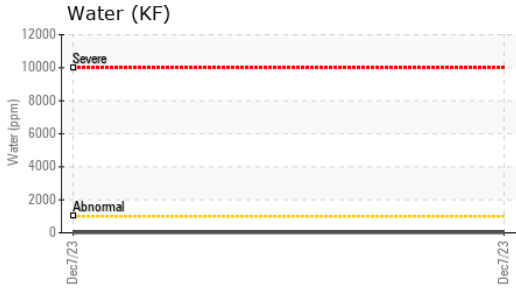
	method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m)	>50	<b>&lt;1</b>	---	---
Sodium	ppm ASTM D5185(m)		<b>0</b>	---	---
Potassium	ppm ASTM D5185(m)	>20	<b>0</b>	---	---
Water	% ASTM D6304*	>0.1	<b>0.002</b>	---	---
ppm Water	ppm ASTM D6304*	>1000	<b>23</b>	---	---

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D974*	0.05	<b>0.01</b>	---	---



# OIL ANALYSIS REPORT



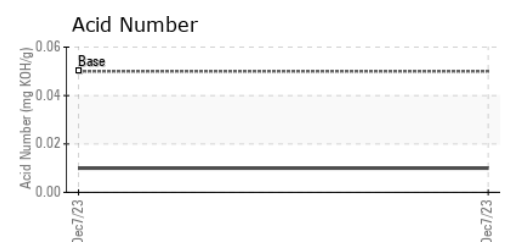
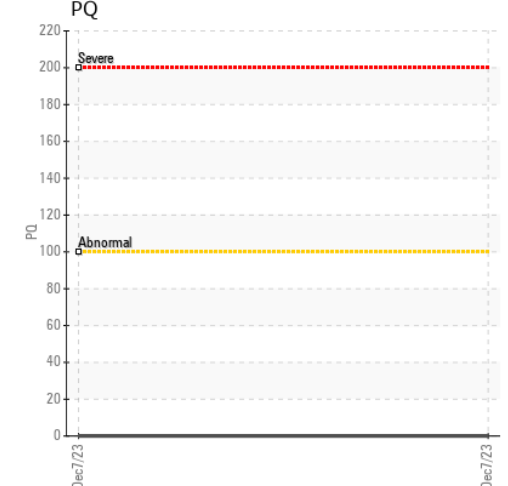
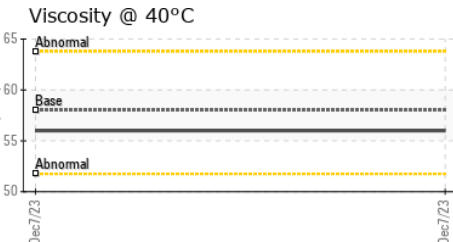
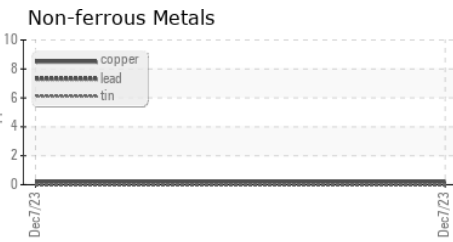
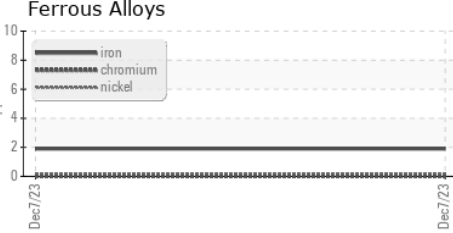
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---
Precipitate	scalar	Visual*	NONE	NONE	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
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	56.0	---	---

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

### GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0885219      **Received** : 12 Dec 2023  
**Lab Number** : 02602639      **Diagnosed** : 13 Dec 2023  
**Unique Number** : 5695724      **Diagnostician** : Wes Davis  
**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.