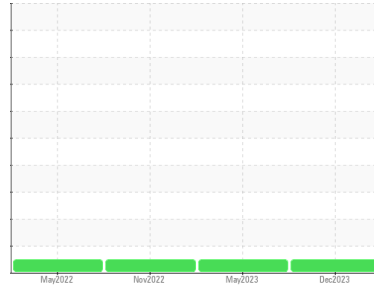




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**ASPIRE BRANTFORD [4501223531]**  
 Machine Id  
**FRICK C14 (S/N F0047VFMNTHAA03)**  
 Component  
**14 Screw Compressor**  
 Fluid  
**CIMCO TYPE A (45 GAL)**

## 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>WC0869725</b>	WC0817807	WC0759232
Sample Date	Client Info	<b>23 Dec 2023</b>	31 May 2023	30 Nov 2022
Machine Age	hrs Client Info	<b>44324</b>	43972	43015
Oil Age	hrs Client Info	<b>0</b>	0	0
Oil Changed	Client Info	<b>Not Changed</b>	Not Changed	Not Changed
Sample Status		<b>NORMAL</b>	NORMAL	NORMAL

## WEAR METALS

method	limit/base	current	history1	history2
PQ	ASTM D8184*	<b>0</b>	0	0
Iron	ppm ASTM D5185(m) >60	<b>8</b>	8	8
Chromium	ppm ASTM D5185(m) >4	<b>0</b>	0	0
Nickel	ppm ASTM D5185(m)	<b>&lt;1</b>	<1	0
Titanium	ppm ASTM D5185(m)	<b>0</b>	0	0
Silver	ppm ASTM D5185(m)	<b>0</b>	0	0
Aluminum	ppm ASTM D5185(m) >5	<b>&lt;1</b>	<1	<1
Lead	ppm ASTM D5185(m) >10	<b>0</b>	0	0
Copper	ppm ASTM D5185(m) >30	<b>&lt;1</b>	<1	<1
Tin	ppm ASTM D5185(m) >15	<b>0</b>	0	0
Antimony	ppm ASTM D5185(m)	<b>0</b>	0	0
Vanadium	ppm ASTM D5185(m)	<b>0</b>	0	0
Beryllium	ppm ASTM D5185(m)	<b>0</b>	0	0
Cadmium	ppm ASTM D5185(m)	<b>0</b>	0	0

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185(m)	<b>0</b>	<1	<1
Barium	ppm ASTM D5185(m)	<b>&lt;1</b>	<1	<1
Molybdenum	ppm ASTM D5185(m)	<b>0</b>	0	0
Manganese	ppm ASTM D5185(m)	<b>0</b>	0	0
Magnesium	ppm ASTM D5185(m)	<b>0</b>	<1	0
Calcium	ppm ASTM D5185(m)	<b>7</b>	6	6
Phosphorus	ppm ASTM D5185(m)	<b>0</b>	0	0
Zinc	ppm ASTM D5185(m)	<b>7</b>	7	7
Sulfur	ppm ASTM D5185(m)	<b>801</b>	788	776
Lithium	ppm ASTM D5185(m)	<b>&lt;1</b>	<1	<1

## CONTAMINANTS

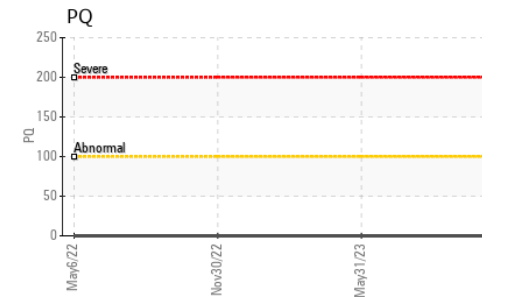
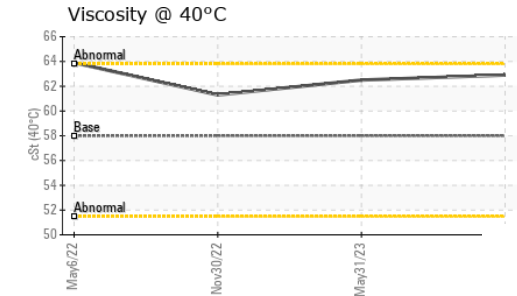
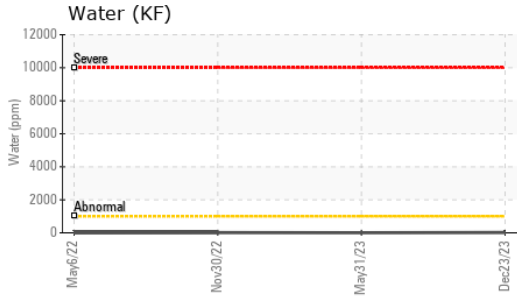
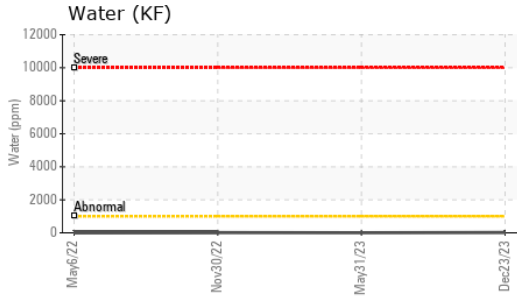
method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >50	<b>2</b>	2	2
Sodium	ppm ASTM D5185(m)	<b>0</b>	0	<1
Potassium	ppm ASTM D5185(m) >20	<b>&lt;1</b>	<1	<1
Water	% ASTM D6304* >0.1	<b>0.002</b>	0.00	0.001
ppm Water	ppm ASTM D6304* >1000	<b>17</b>	0.00	10.5

## FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D974* 0.05	<b>0.04</b>	0.04	0.03



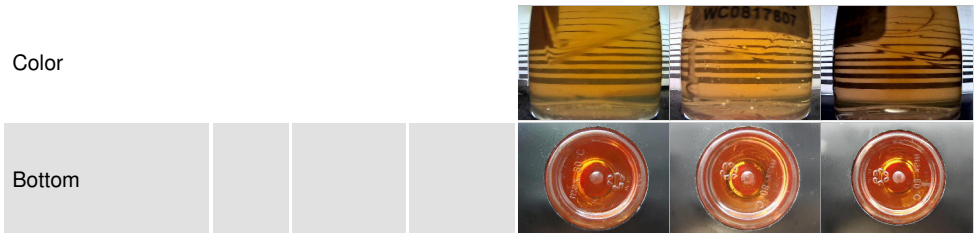
# OIL ANALYSIS REPORT



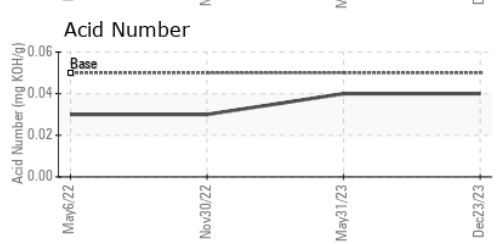
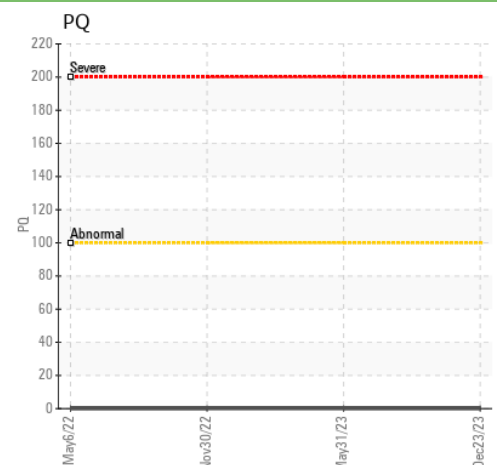
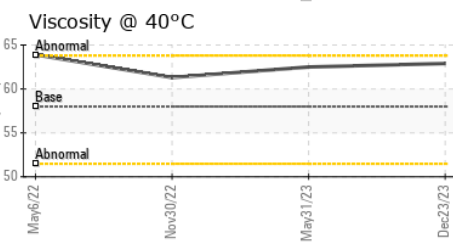
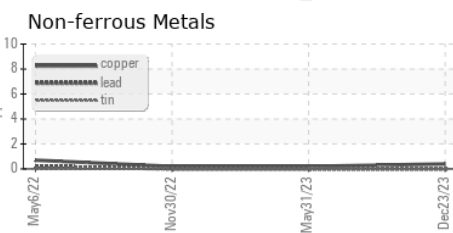
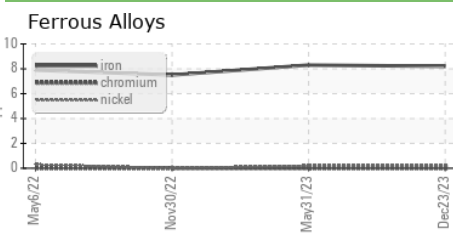
PARAMETER	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	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 D7279(m)	58	62.9	62.5

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



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0869725 **Received** : 08 Jan 2024  
**Lab Number** : 02607087 **Diagnosed** : 09 Jan 2024  
**Unique Number** : 5708173 **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.