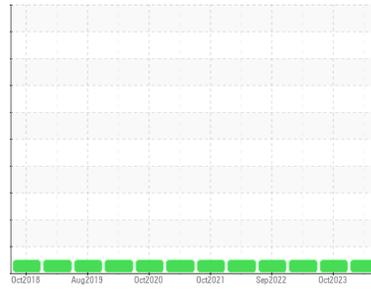




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**FRICK ENG 7 C2**

Component  
**Refrigeration Compressor**

Fluid  
**FRICK COMPRESSOR OIL #3 (--- 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>WC0871086</b>	WC0834307	WC0707256
Sample Date	Client Info			<b>08 Apr 2024</b>	14 Oct 2023	15 Apr 2023
Machine Age	hrs	Client Info		<b>30084</b>	28434	27444
Oil Age	hrs	Client Info		<b>28484</b>	28434	0
Oil Changed	Client Info			<b>N/A</b>	N/A	N/A
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)	>8	<b>&lt;1</b>	0	<1
Chromium	ppm	ASTM D5185(m)	>2	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m)		<b>0</b>	0	0
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	>2	<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185(m)	>3	<b>0</b>	0	0
Lead	ppm	ASTM D5185(m)	>2	<b>0</b>	<1	0
Copper	ppm	ASTM D5185(m)	>8	<b>0</b>	<1	0
Tin	ppm	ASTM D5185(m)	>4	<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

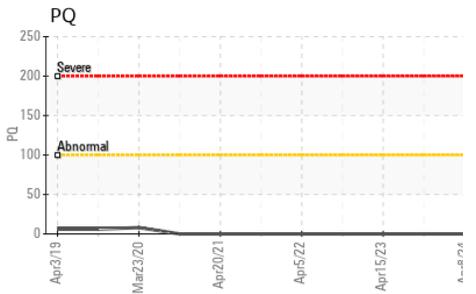
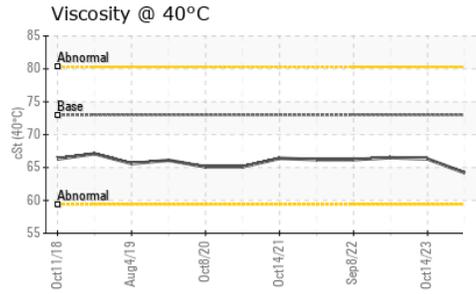
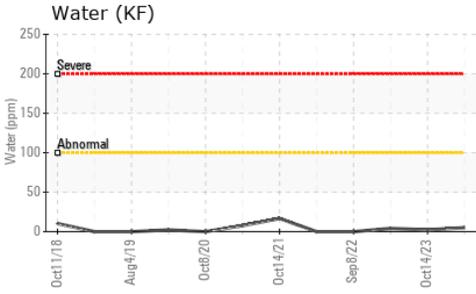
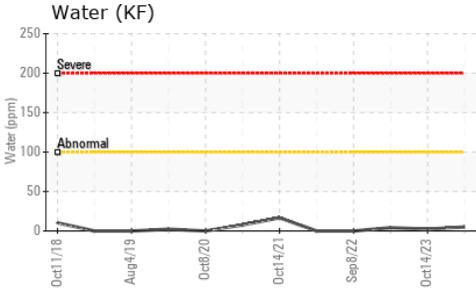
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Barium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	0	0
Manganese	ppm	ASTM D5185(m)		<b>0</b>	0	0
Magnesium	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	<1
Calcium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Phosphorus	ppm	ASTM D5185(m)		<b>0</b>	23	0
Zinc	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1
Sulfur	ppm	ASTM D5185(m)		<b>40</b>	38	39
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>15	<b>0</b>	<1	<1
Sodium	ppm	ASTM D5185(m)		<b>0</b>	<1	0
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	0	0
Water	%	ASTM D6304*	>0.01	<b>0.001</b>	0.001	0.001
ppm Water	ppm	ASTM D6304*	>100	<b>5</b>	2.3	4.1

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*		<b>0.01</b>	0.02	0.06



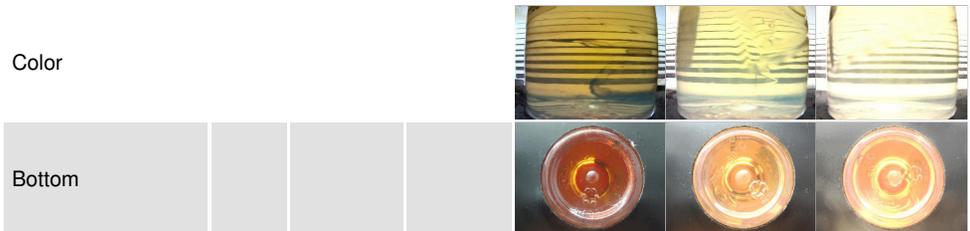
# OIL ANALYSIS REPORT



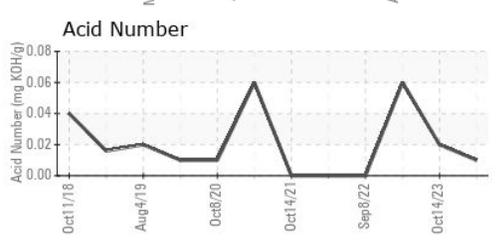
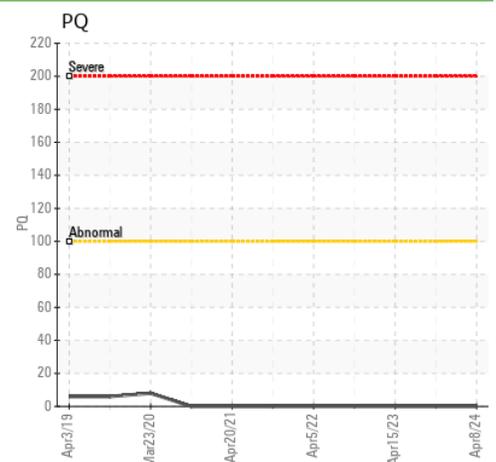
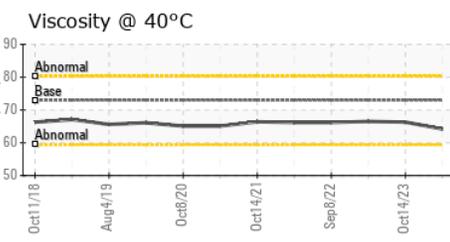
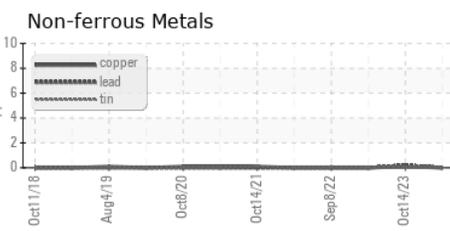
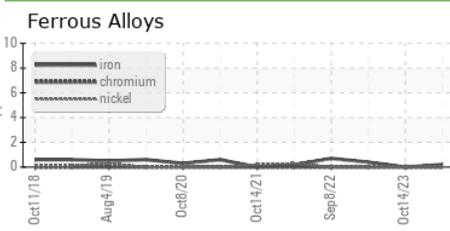
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	<b>FREON</b>	NORML
Emulsified Water	scalar	Visual*	>0.01	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	73	<b>64.2</b>	66.3

SAMPLE IMAGES	method	limit/base	current	history1	history2
---------------	--------	------------	---------	----------	----------



## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0871086 **Received** : 10 Apr 2024  
**Lab Number** : **02627889** **Tested** : 11 Apr 2024  
**Unique Number** : 5761021 **Diagnosed** : 11 Apr 2024 - Kevin Marson  
**Test Package** : IND 2 ( Additional Tests: TAN Man )

**CONESTOGA COLD STORAGE**  
 2660 MEADOWPINE BLVD., DOOR 57, CALL EXT. 2317  
 MISSISSAUGA, ON  
 CA L5N 7E6  
 Contact: Jeremy Koziol  
 jkoziol@coldstorage.com  
 T: (519)748-4086  
 F: (905)567-1844

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.