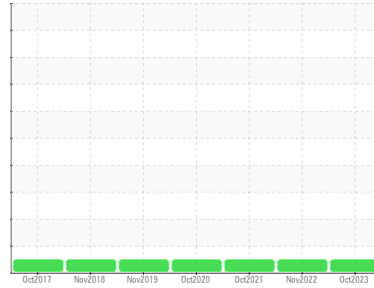




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**VILTER ENG #4 C1**

Component  
**Refrigeration Compressor**

Fluid  
**VILTER 717 COMPRESSOR OIL ISO 68 (--- 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>WC0834303</b>	WC0607428	WC0607446
Sample Date	Client Info		<b>13 Oct 2023</b>	08 Nov 2022	15 Oct 2021
Machine Age	hrs	Client Info	<b>145720</b>	0	132842
Oil Age	hrs	Client Info	<b>45720</b>	0	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>5</b>	7	13
Chromium	ppm	ASTM D5185(m) >2	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185(m)	<b>0</b>	0	0
Silver	ppm	ASTM D5185(m) >2	<b>&lt;1</b>	0	<1
Aluminum	ppm	ASTM D5185(m) >3	<b>0</b>	0	<1
Lead	ppm	ASTM D5185(m) >2	<b>0</b>	0	0
Copper	ppm	ASTM D5185(m) >8	<b>&lt;1</b>	0	<1
Tin	ppm	ASTM D5185(m) >4	<b>0</b>	0	<1
Antimony	ppm	ASTM D5185(m)	<b>0</b>	<1	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>&lt;1</b>	<1	<1
Barium	ppm	ASTM D5185(m) 0	<b>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185(m) 0	<b>0</b>	0	0
Manganese	ppm	ASTM D5185(m)	<b>0</b>	0	0
Magnesium	ppm	ASTM D5185(m) 0	<b>0</b>	0	0
Calcium	ppm	ASTM D5185(m) 0	<b>0</b>	0	<1
Phosphorus	ppm	ASTM D5185(m) 0	<b>1</b>	0	0
Zinc	ppm	ASTM D5185(m) 0	<b>1</b>	2	2
Sulfur	ppm	ASTM D5185(m)	<b>13</b>	19	12
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	<1

## CONTAMINANTS

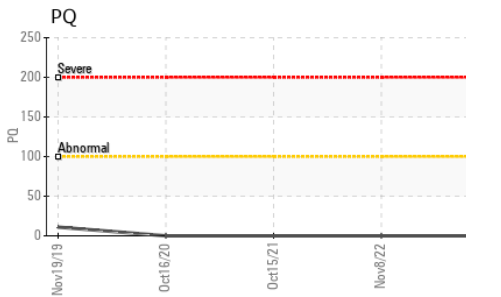
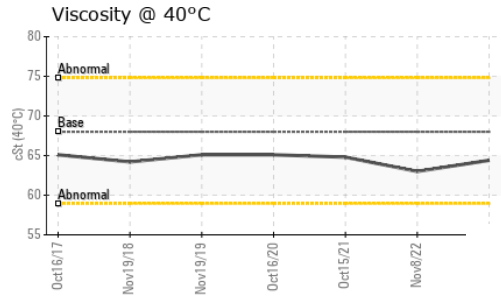
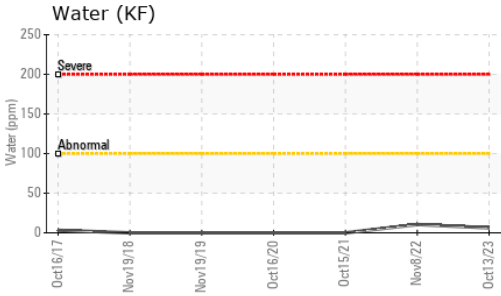
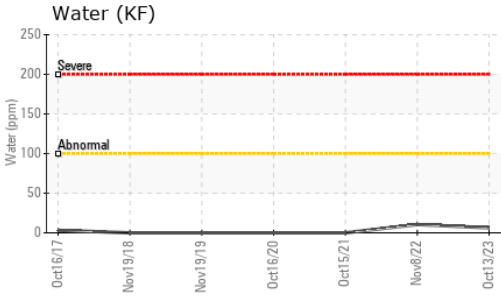
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >15	<b>&lt;1</b>	<1	<1
Sodium	ppm	ASTM D5185(m)	<b>0</b>	0	0
Potassium	ppm	ASTM D5185(m) >20	<b>0</b>	0	<1
Water	%	ASTM D6304* >0.01	<b>0.001</b>	0.001	0.00
ppm Water	ppm	ASTM D6304* >100	<b>6.3</b>	10.5	0.00

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974* 0.2	<b>0.01</b>	0.00	0.01



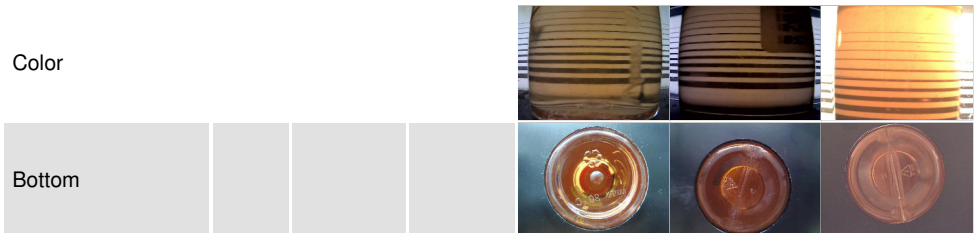
# OIL ANALYSIS REPORT



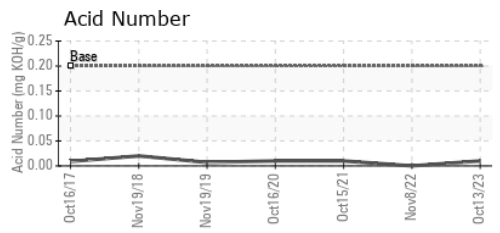
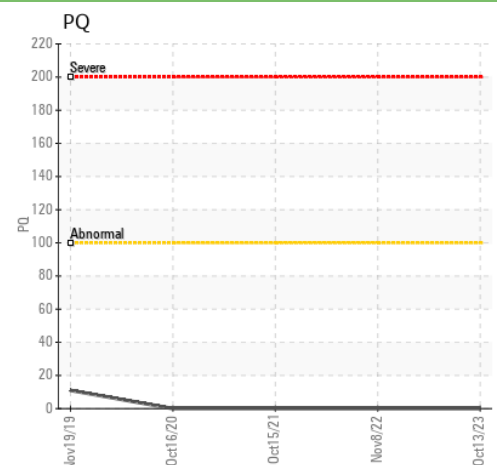
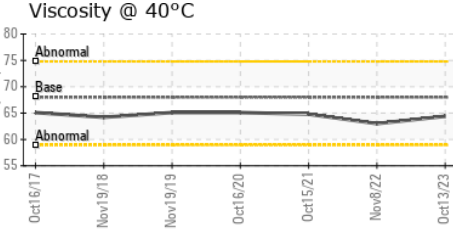
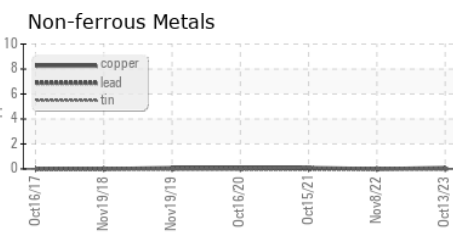
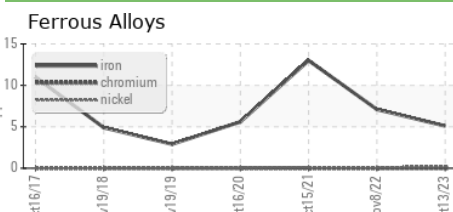
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	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)	68	63.0	64.8

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.** : WC0834303  
**Lab Number** : 02589645  
**Unique Number** : 5658711  
**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.