



PROBLEM SUMMARY

Sample Rating Trend

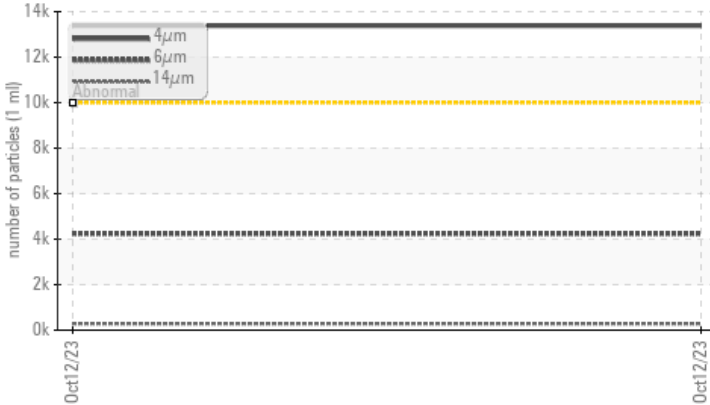
ISO

Area
METRO WEST MALL [4501219887]
 Machine Id
VILTER COMPRESSOR 5 (S/N 8426)
 Component
5 Screw Compressor
 Fluid
VILTER 717 COMPRESSOR OIL ISO 68 (80 GAL)



COMPONENT CONDITION SUMMARY

▲ Particle Trend



RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status			ATTENTION	---	---
Particles >4µm	ASTM D7647	>10000	▲ 13379	---	---
Particles >6µm	ASTM D7647	>2500	▲ 4241	---	---
Oil Cleanliness	ISO 4406 (c)	>20/18/15	▲ 21/19/15	---	---

Customer Id: CIMTOR
 Sample No.: WC0859431
 Lab Number: 02592683
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Wes Davis +1 905-569-8600 x223
wesd@wearcheck.ca

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
Change Filter	---	---	?	We recommend you service the filters on this component.

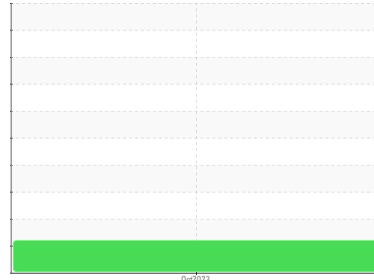
HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend

ISO



Area
METRO WEST MALL [4501219887]
 Machine Id
VILTER COMPRESSOR 5 (S/N 8426)
 Component
5 Screw Compressor
 Fluid
VILTER 717 COMPRESSOR OIL ISO 68 (80 GAL)

DIAGNOSIS

▲ Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

▲ Contamination

There is a light amount of silt (particulates < 14 microns in size) present in the oil. The water content is negligible.

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	WC0859431	---	---
Sample Date	Client Info	12 Oct 2023	---	---
Machine Age	hrs Client Info	14548	---	---
Oil Age	hrs Client Info	8379	---	---
Oil Changed	Client Info	Changed	---	---
Sample Status		ATTENTION	---	---

WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185(m)	>60	0	---	---
Chromium ppm ASTM D5185(m)	>4	0	---	---
Nickel ppm ASTM D5185(m)		<1	---	---
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)	0	<1	---	---
Molybdenum ppm ASTM D5185(m)	0	0	---	---
Manganese ppm ASTM D5185(m)		0	---	---
Magnesium ppm ASTM D5185(m)	0	0	---	---
Calcium ppm ASTM D5185(m)	0	0	---	---
Phosphorus ppm ASTM D5185(m)	0	0	---	---
Zinc ppm ASTM D5185(m)	0	<1	---	---
Sulfur ppm ASTM D5185(m)		6	---	---
Lithium ppm ASTM D5185(m)		<1	---	---

CONTAMINANTS

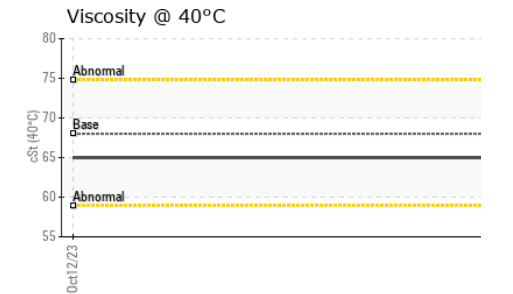
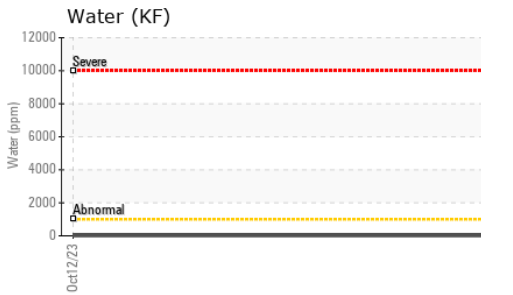
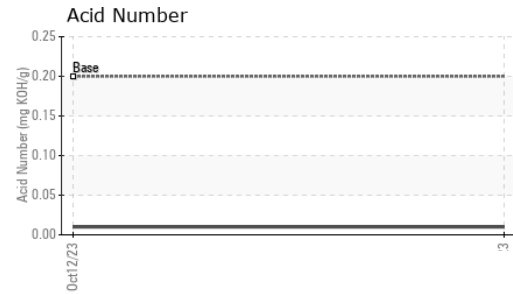
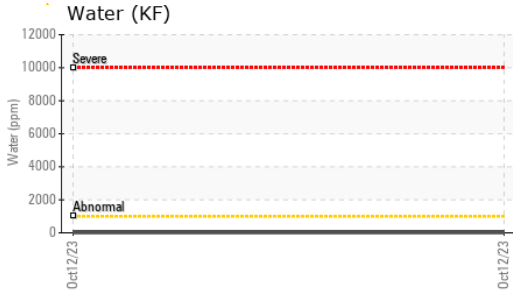
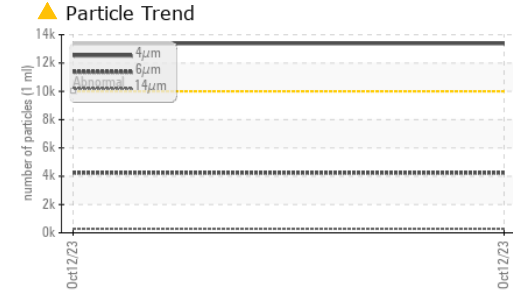
method	limit/base	current	history1	history2
Silicon ppm ASTM D5185(m)	>50	<1	---	---
Sodium ppm ASTM D5185(m)		0	---	---
Potassium ppm ASTM D5185(m)	>20	0	---	---
Water % ASTM D6304*	>0.1	0.001	---	---
ppm Water ppm ASTM D6304*	>1000	12.6	---	---

FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm ASTM D7647	>10000	▲ 13379	---	---
Particles >6µm ASTM D7647	>2500	▲ 4241	---	---
Particles >14µm ASTM D7647	>320	284	---	---
Particles >21µm ASTM D7647	>80	58	---	---
Particles >38µm ASTM D7647	>20	1	---	---
Particles >71µm ASTM D7647	>4	0	---	---
Oil Cleanliness ISO 4406 (c)	>20/18/15	▲ 21/19/15	---	---



OIL ANALYSIS REPORT



FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.2	0.01	---	---

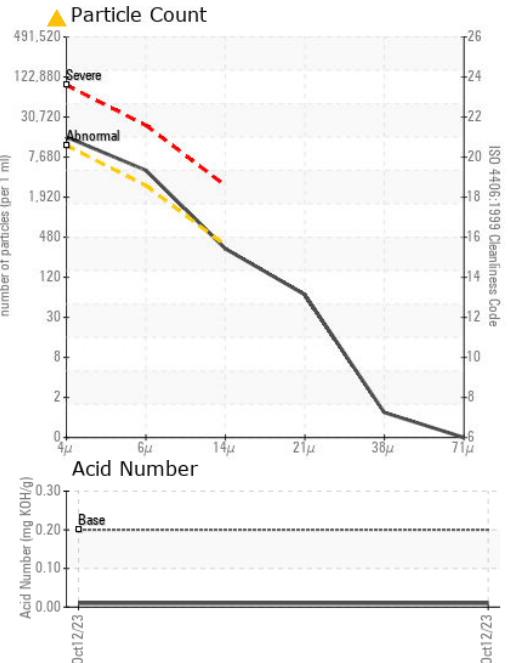
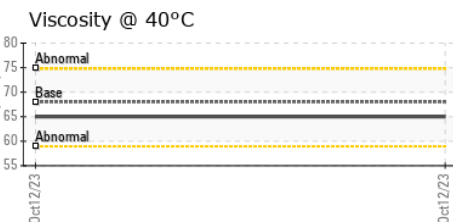
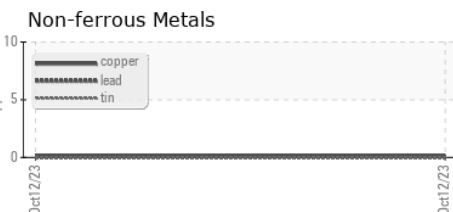
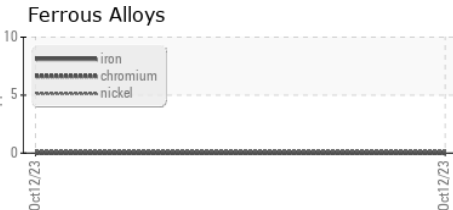
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---
Precipitate	scalar	Visual*	NONE	NONE	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
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)	68	65.0	---	---

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. : WC0859431 **Received** : 30 Oct 2023
Lab Number : 02592683 **Diagnosed** : 31 Oct 2023
Unique Number : 5669762 **Diagnostician** : Wes Davis
Test Package : IND 2 (Additional Tests: KF)

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.