

Machine Id
VILTER VMC 450 XL
Component
Reciprocating Compressor
Fluid
CIMCO TYPE A (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

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			PC0052631	PC0052843	---
Sample Date	Client Info			11 Dec 2022	07 Jun 2022	---
Machine Age	hrs	Client Info		0	55018	---
Oil Age	hrs	Client Info		0	600	---
Oil Changed	Client Info			N/A	Changed	---
Sample Status				NORMAL	NORMAL	---

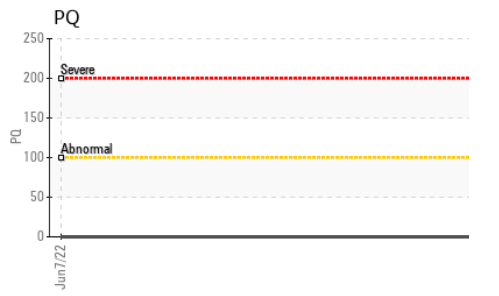
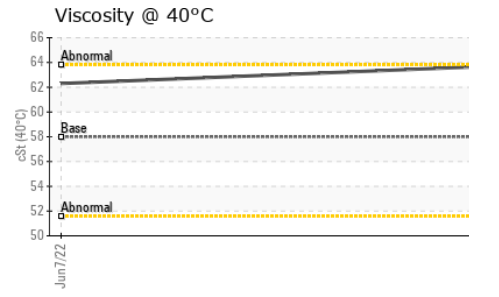
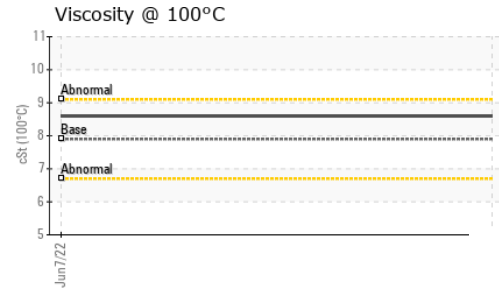
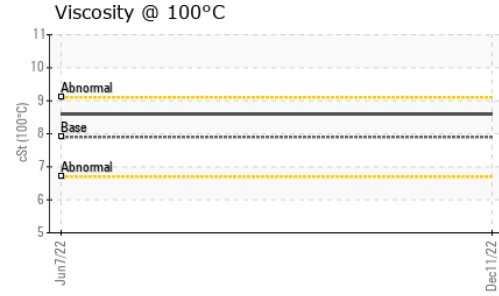
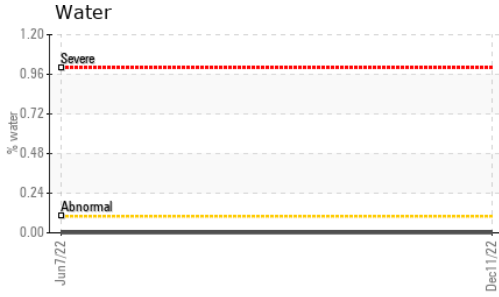
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*		0	0	---
Iron	ppm	ASTM D5185(m)	>50	2	2	---
Chromium	ppm	ASTM D5185(m)	>10	0	0	---
Nickel	ppm	ASTM D5185(m)		<1	0	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)		0	0	---
Aluminum	ppm	ASTM D5185(m)	>25	<1	<1	---
Lead	ppm	ASTM D5185(m)	>25	0	0	---
Copper	ppm	ASTM D5185(m)	>50	0	<1	---
Tin	ppm	ASTM D5185(m)	>15	0	0	---
Antimony	ppm	ASTM D5185(m)		<1	0	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
Beryllium	ppm	ASTM D5185(m)		0	0	---
Cadmium	ppm	ASTM D5185(m)		0	0	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		<1	<1	---
Barium	ppm	ASTM D5185(m)		0	0	---
Molybdenum	ppm	ASTM D5185(m)		0	0	---
Manganese	ppm	ASTM D5185(m)		0	0	---
Magnesium	ppm	ASTM D5185(m)		0	0	---
Calcium	ppm	ASTM D5185(m)		0	<1	---
Phosphorus	ppm	ASTM D5185(m)		0	<1	---
Zinc	ppm	ASTM D5185(m)		<1	<1	---
Sulfur	ppm	ASTM D5185(m)		5	2	---
Lithium	ppm	ASTM D5185(m)		<1	<1	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	0	0	---
Sodium	ppm	ASTM D5185(m)		0	0	---
Potassium	ppm	ASTM D5185(m)	>20	0	<1	---
Water	%	ASTM D6304*	>0.1	0.001	0.001	---
ppm Water	ppm	ASTM D6304*	>1000	9.9	7.2	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.05	0.00	0.03	---

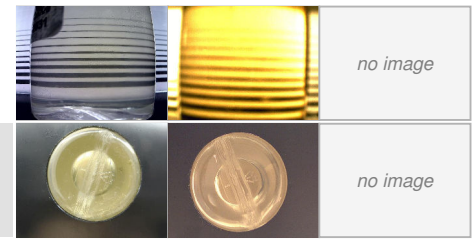
OIL ANALYSIS REPORT



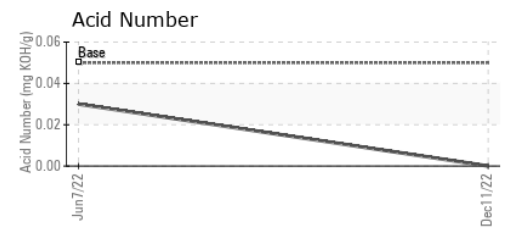
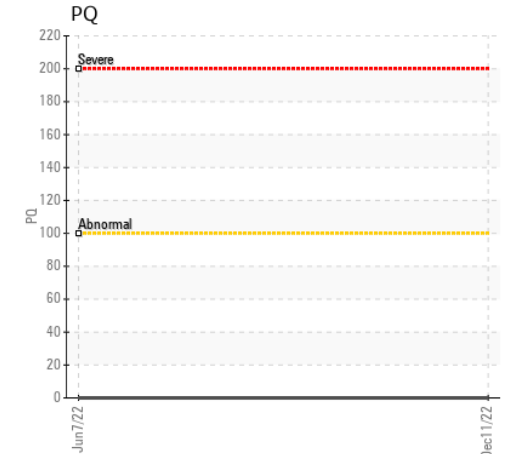
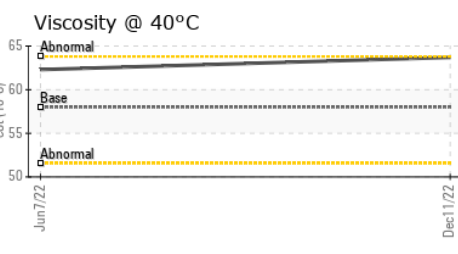
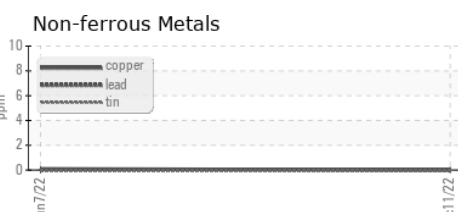
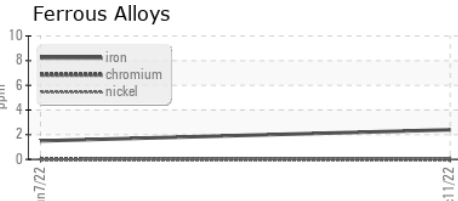
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.1	.2%	NEG
Free Water	scalar	Visual*		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	58	63.7	62.3
Visc @ 100°C	cSt	ASTM D7279(m)	7.9	8.6	8.6
Viscosity Index (VI)	Scale	ASTM D2270*	104	106	110

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					



GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0052631 **Received** : 28 Dec 2022
Lab Number : 02530619 **Diagnosed** : 29 Dec 2022
Unique Number : 5503617 **Diagnostician** : Wes Davis
Test Package : IND 2 (Additional Tests: KF, KV100, TAN Man, VI)

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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.