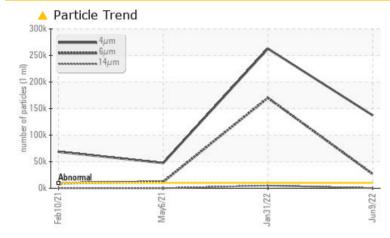
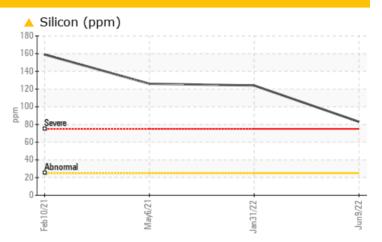


### Machine Id VILTER C Component Compressor Fluid VILTER ISO 150 (--- GAL)

TULCO WEAREN

# COMPONENT CONDITION SUMMARY





# RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

# PROBLEMATIC TEST RESULTS

Sample Statu	s			ABNORMAL	ABNORMAL	SEVERE			
Silicon	ppm	ASTM D5185m	>25	<u> </u>	<b>1</b> 24	126			
Particles >4µı	n	ASTM D7647	>10000	🔺 137229	🔺 262692	<b>4</b> 7511			
Particles >6µ	n	ASTM D7647	>1300	🔺 26799	▲ 170047	<b>12061</b>			
Oil Cleanlines	S	ISO 4406 (c)	>20/17/15	<u> </u>	▲ 25/25/20	🔺 23/21/14			

Customer Id: MELMELTX Sample No.: TO50000127 Lab Number: 05569214 Test Package: IND 2



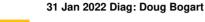
To manage this report scan the QR code

To discuss the diagnosis or test data: Jonathan Hester +1 919-379-4092 x4092 jhester@wearcheckusa.com

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

RECOMMENDED	ACTIONS			
Action	Status	Date	Done By	Description
Change Fluid			?	Oil and filter change at the time of sampling has been noted.
Change Filter			?	Oil and filter change at the time of sampling has been noted.

# **HISTORICAL DIAGNOSIS**





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

Πü monitor.All component wear rates are normal. There is a high amount of particulates present in the oil. Elemental level of silicon (Si) above normal indicating ingress of seal material. The AN level is acceptable for this fluid.

### 06 May 2021 Diag: Jonathan Hester



We advise that you follow the water drain-off procedure for this component. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. Elemental level of silicon (Si) above normal indicating ingress of seal material. There is a moderate concentration of water present in the oil. The AN level is acceptable for this fluid.

# 10 Feb 2021 Diag: Jonathan Hester



We recommend you service the filters on this component if applicable. We recommend an early resample to monitor this condition.All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. Elemental level of silicon (Si) above normal indicating ingress of seal material. The AN level is acceptable for this fluid.



view report

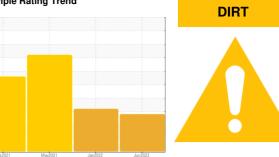
#### view report





# **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id **VILTER C** Component Compressor Fluid VILTER ISO 150 (--- GAL)

# DIAGNOSIS

### A Recommendation

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

# Wear

All component wear rates are normal.

### Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil. Elemental level of silicon (Si) above normal indicating ingress of seal material.

# Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

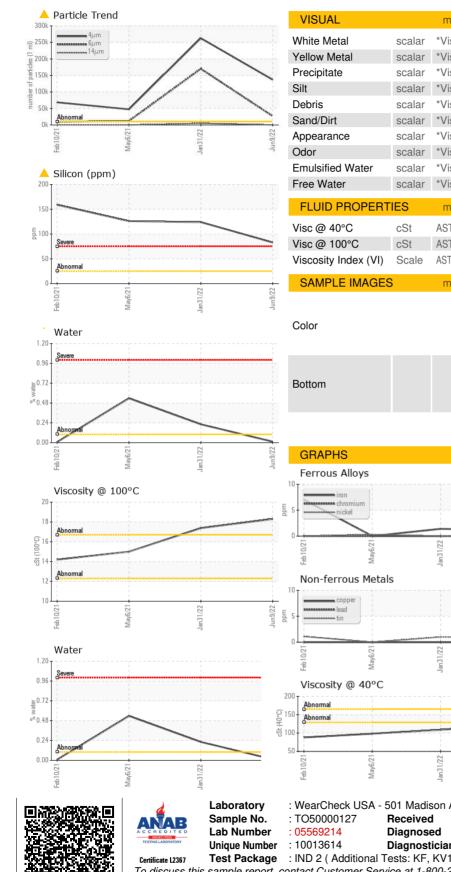
SAMPLE INFORM		method	limit/base	current	history1	history2
		Client Info				TO5000008
Sample Number				TO50000127	TO5000082	
Sample Date	matte e	Client Info		09 Jun 2022	31 Jan 2022	06 May 202
Machine Age	mths	Client Info		0	0	0
Oil Age	mths	Client Info		0		
Oil Changed		Client Info		Changed	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	SEVERE
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	1	1	0
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m		0	0	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	<1	0
Lead	ppm	ASTM D5185m	>25	0	0	0
Copper	ppm	ASTM D5185m	>50	0	0	0
Tin	ppm	ASTM D5185m	>15	<1	1	0
Antimony	ppm	ASTM D5185m	-		<1	2
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
	PPIII		11			-
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		<1	0	0
Calcium	ppm	ASTM D5185m		0	0	0
Phosphorus	ppm	ASTM D5185m		5	8	<1
Zinc	ppm	ASTM D5185m		0	0	0
Sulfur	ppm	ASTM D5185m		4448	4886	2457
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<b>8</b> 3	<b>▲</b> 124	126
Sodium	ppm	ASTM D5185m		<1	0	<1
Potassium	ppm	ASTM D5185m	>20	0	0	0
Water	%	ASTM D510301		0.012	0.222	▲ 0.537
ppm Water	ppm	ASTM D6304	>1000	122.7	2223.6	▲ 5370
FLUID CLEANLIN		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	▲ 137229	▲ 262692	▲ 47511
Particles >6µm		ASTM D7647		A 26799	▲ 170047 ▲ 5045	▲ 12061 104
Particles >14µm		ASTM D7647	>320	304	▲ 5045	104
Particles >21µm		ASTM D7647		37	▲ 276	12
Particles >38µm		ASTM D7647	>20	0	4	0
Particles >71µm		ASTM D7647		0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/17/15	<b>A</b> 24/22/15	▲ 25/25/20	▲ 23/21/14
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.115	0.157	0.835
(17·14) Boy: 1	- 0			Contact/Locatio		

Report Id: MELMELTX [WUSCAR] 05569214 (Generated: 07/19/2023 15:17:14) Rev: 1

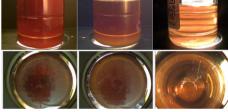
Contact/Location: BILL PALMER - MELMELTX

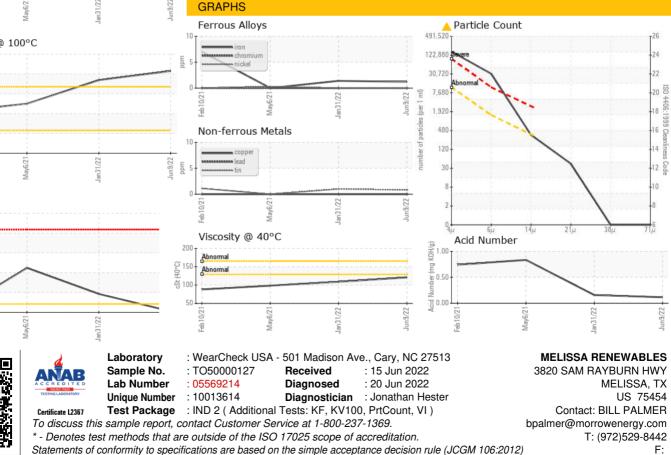


# **OIL ANALYSIS REPORT**



method limit/base history1 history2 current NONE \*Visual NONE NONE NONE NONE NONE NONE NONE \*Visual \*Visua NONE NONE NONE NONE scalar \*Visual NONE NONE NONE NONE NONE \*Visual NONE VLITE NONE NONE \*Visual NONE NONE NONE NORML NORML NORML NORML \*Visua \*Visual NORML NORML NORML NORML \*Visual >0.1 NEG NFG NEG scalar \*Visual NEG NEG NEG method limit/base curren history history ASTM D445 121 109 98.3 ASTM D445 18.3 17.38 15.0 ASTM D2270 169 175 160 method limit/base current history1 historv2





Contact/Location: BILL PALMER - MELMELTX