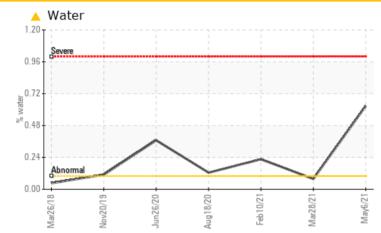


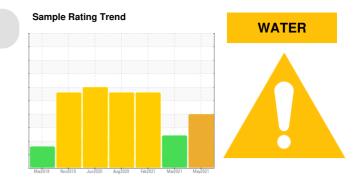
### Machine Id VILTER B Component

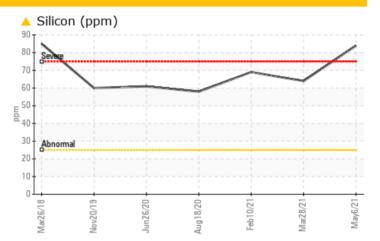
TULCO WEAREN

Compressor Fluid VILTER METHANE PAO 100 (--- GAL)

### COMPONENT CONDITION SUMMARY







### RECOMMENDATION

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.

PROBLEMATIC TEST RESULTS									
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL			
Silicon	ppm	ASTM D5185m	>25	<u> </u>	<b>6</b> 4	<b>6</b> 9			
Water	%	ASTM D6304	>0.1	<b>A</b> 0.627	0.078	<b>0.226</b>			
ppm Water	ppm	ASTM D6304	>1000	<u> </u>	780.4	<u> </u>			
Silt	scalar	*Visual	NONE	🔺 MODER	🔺 MODER	NONE			

Customer Id: MELMELTX Sample No.: TO50000090 Lab Number: 05251613 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 AC	NDED ACTIONS				
Action	Status	Date	Done By		
Alert			?		

### Description

We were unable to perform a particle count due to a high concentration of particles present in this sample.

### HISTORICAL DIAGNOSIS

### 28 Mar 2021 Diag: Jonathan Hester



We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.All component wear rates are normal. There is a moderate amount of visible silt present in the sample. Elemental level of silicon (Si) above normal indicating ingress of seal material. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



view report

#### 10 Feb 2021 Diag: Don Baldridge

WATER



We advise that you follow the water drain-off procedure for this component. We recommend you service the filters on this component. We recommend an early resample to monitor this condition.All component wear rates are normal. There is a high amount of particulates present in the oil. There is a light concentration of water present in the oil. Elemental level of silicon (Si) above normal indicating ingress of seal material. The AN level is acceptable for this fluid.



The oil is near the end of it's useful service life, recommend schedule an oil change. We recommend you service the filters on this component. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample. An increase in the iron level is noted. All component wear rates are normal. There is a trace of moisture present in the oil. Moderate concentration of visible dirt/debris present in the oil. Elemental level of silicon (Si) above normal indicating ingress of seal material. The AN level is at the top-end of the recommended limit.



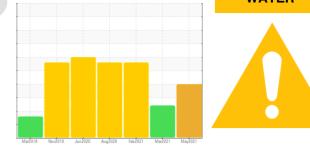




## **OIL ANALYSIS REPORT**







Machine Id **VILTER B** Component Compressor Fluid VILTER METHANE PAO 100 (--- GAL)

### DIAGNOSIS

### Recommendation

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.

### Wear

All component wear rates are normal.

### Contamination

There is a moderate concentration of water present in the oil. There is a moderate amount of visible silt present in the sample.

### Fluid Condition

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

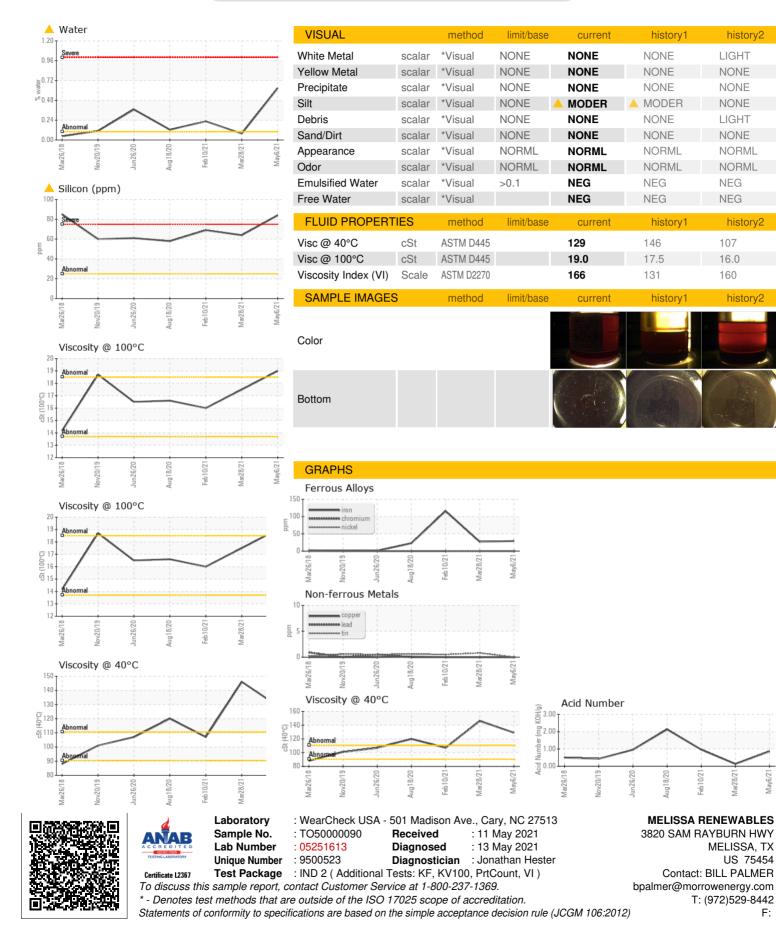
SAMPLE INFORM		method	limit/base	current	history1	history2
Sample Number		Client Info		TO50000090	TO205215534	TO205180879
•		Client Info				
Sample Date	una tila a			06 May 2021	28 Mar 2021	10 Feb 2021
Machine Age	mths mths	Client Info		0	0	0
Oil Age	muns	Client Info		U N/A	0 N/A	0 N/A
Oil Changed		Client Info				
Sample Status				-	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	29	27	🔺 116
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m		1	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	0	0
Lead	ppm	ASTM D5185m	>25	0	0	0
Copper	ppm	ASTM D5185m	>50	0	0	0
Tin	ppm	ASTM D5185m	>15	0	<1	<1
Antimony	ppm	ASTM D5185m		2	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES	1.1	method	limit/base	current	history1	history2
			IIIIII/Dase			
Boron	ppm	ASTM D5185m		<1	<1	1
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	1
Magnesium	ppm	ASTM D5185m		0	0	0
Calcium	ppm	ASTM D5185m		<1	0	0
Phosphorus	ppm	ASTM D5185m		5	<1	6
Zinc	ppm	ASTM D5185m		0	0	0
Sulfur	ppm	ASTM D5185m		2086	2173	2513
CONTAMINANTS	6	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<b>A</b> 84	<b>6</b> 4	69
Sodium	ppm	ASTM D5185m		2	0	<1
Potassium	ppm	ASTM D5185m	>20	0	<1	<1
Water	%	ASTM D6304	>0.1	<b>6</b> 0.627	0.078	▲ 0.226
ppm Water	ppm	ASTM D6304		<b>6270</b>	780.4	<b>2</b> 260
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000			46187
Particles >6µm		ASTM D7647				▲ 7634
Particles >14µm		ASTM D7647	>320			425
Particles >21µm		ASTM D7647				▲ 132
Particles >38µm		ASTM D7647	>20			16
Particles >71µm		ASTM D7647				3
Oil Cleanliness		ISO 4406 (c)	>20/18/15			3 ≤ 23/20/16
		( )				
FLUID DEGRADA		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.857	0.132	0.959
5:14:51) Rev: 1	Contact/Location: BILL PALMER - MELMELTX					

Report Id: MELMELTX [WUSCAR] 05251613 (Generated: 07/19/2023 15:14:51) Rev: 1

Contact/Location: BILL PALMER - MELMELTX



# **OIL ANALYSIS REPORT**



Contact/Location: BILL PALMER - MELMELTX

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