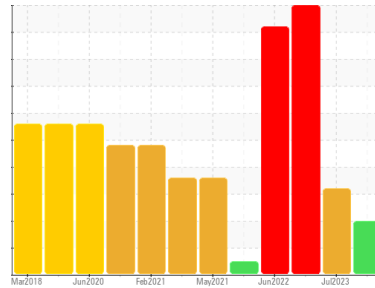


Machine Id  
**MYCOM B**

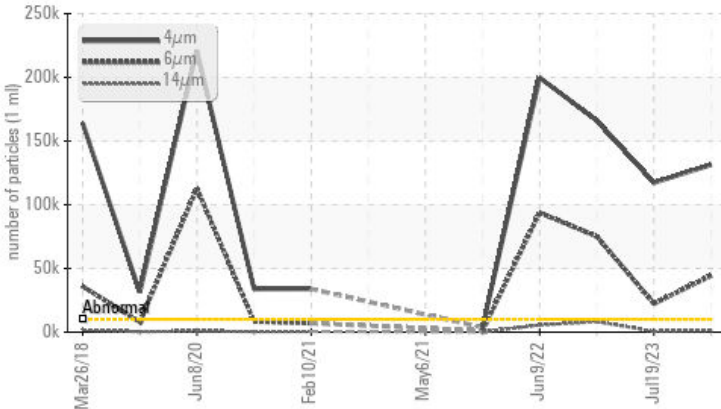
Component  
**Compressor**

Fluid  
**TULCO LUBSOIL LPG WI 100 (--- GAL)**



## COMPONENT CONDITION SUMMARY

### ▲ Particle Trend



## RECOMMENDATION

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

## PROBLEMATIC TEST RESULTS

Sample Status	ASTM D7647	ASTM D7647	ABNORMAL	ABNORMAL	SEVERE
Particles >4µm	>10000	▲ <b>131332</b>	▲ 117248	● 166203	
Particles >6µm	>1300	▲ <b>44348</b>	▲ 22381	● 75162	
Particles >14µm	>320	▲ <b>1323</b>	▲ 523	● 8202	
Particles >21µm	>80	▲ <b>156</b>	79	● 2669	
Oil Cleanliness	ISO 4406 (c)	>20/17/15	▲ <b>24/23/18</b>	▲ 24/22/16	● 25/23/20

Customer Id: MELMELTX  
Sample No.: TO60001321  
Lab Number: 05924355  
Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:  
Don Baldrige +1  
[don.b505@comcast.net](mailto:don.b505@comcast.net)

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

## RECOMMENDED ACTIONS

There are no recommended actions for this sample.

## HISTORICAL DIAGNOSIS

### 19 Jul 2023 Diag: Don Baldrige

DIRT



No corrective action is recommended at this time. 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 particulates present in the oil. Elemental level of silicon (Si) above normal. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

view report



### 01 Dec 2022 Diag: Angela Borella

ISO



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 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. The condition of the oil is acceptable for the time in service.

view report



### 09 Jun 2022 Diag: Angela Borella

ISO



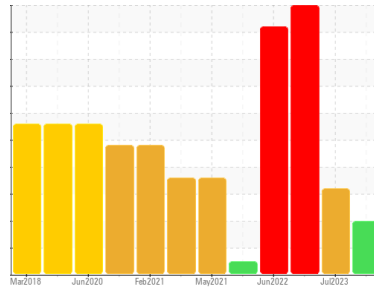
The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of particulates present in the oil. Elemental level of silicon (Si) above normal indicating ingress of seal material. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

view report



# OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id  
**MYCOM B**

Component  
**Compressor**

Fluid  
**TULCO LUBSOIL LPG WI 100 (--- GAL)**

## DIAGNOSIS

### Recommendation

No corrective action is recommended at this time. The 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 particulates present in the oil.

### Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>TO60001321</b>	TO60000404	TO50000122
Sample Date	Client Info	<b>09 Aug 2023</b>	19 Jul 2023	01 Dec 2022
Machine Age	wks Client Info	<b>0</b>	0	0
Oil Age	wks Client Info	<b>0</b>	0	0
Oil Changed	Client Info	<b>Filtered</b>	N/A	Filtered
Sample Status		<b>ABNORMAL</b>	ABNORMAL	SEVERE

## WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >50	<b>0</b>	<1	<1
Chromium	ppm ASTM D5185m >10	<b>0</b>	<1	0
Nickel	ppm ASTM D5185m	<b>0</b>	<1	0
Titanium	ppm ASTM D5185m	<b>0</b>	0	0
Silver	ppm ASTM D5185m	<b>0</b>	<1	0
Aluminum	ppm ASTM D5185m >25	<b>&lt;1</b>	0	0
Lead	ppm ASTM D5185m >25	<b>0</b>	0	0
Copper	ppm ASTM D5185m >50	<b>0</b>	0	0
Tin	ppm ASTM D5185m >15	<b>0</b>	<1	<1
Vanadium	ppm ASTM D5185m	<b>0</b>	0	0
Cadmium	ppm ASTM D5185m	<b>0</b>	0	0

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m 0	<b>0</b>	0	0
Barium	ppm ASTM D5185m	<b>0</b>	0	0
Molybdenum	ppm ASTM D5185m 0	<b>0</b>	0	0
Manganese	ppm ASTM D5185m	<b>0</b>	0	0
Magnesium	ppm ASTM D5185m 0	<b>5</b>	0	2
Calcium	ppm ASTM D5185m	<b>0</b>	0	0
Phosphorus	ppm ASTM D5185m 0	<b>5</b>	0	37
Zinc	ppm ASTM D5185m 0	<b>0</b>	0	5
Sulfur	ppm ASTM D5185m 0	<b>1488</b>	1990	987

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >25	<b>17</b>	▲ 36	▲ 42
Sodium	ppm ASTM D5185m	<b>0</b>	0	0
Potassium	ppm ASTM D5185m >20	<b>1</b>	<1	0
Water	% ASTM D6304 >2.26	<b>0.443</b>	0.343	0.208
ppm Water	ppm ASTM D6304 >22600	<b>4438.6</b>	3435.2	2086.3

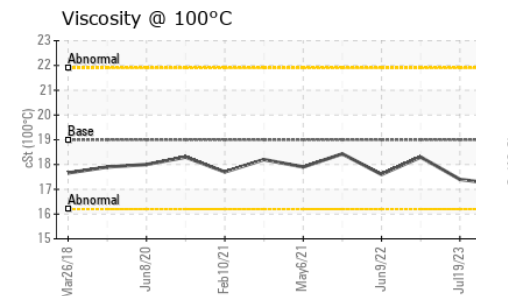
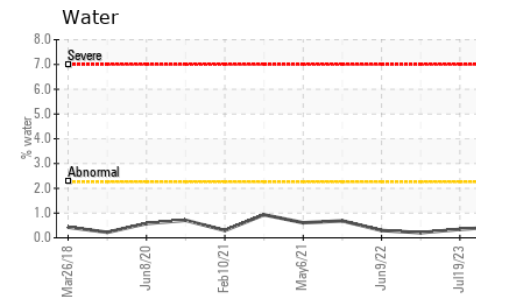
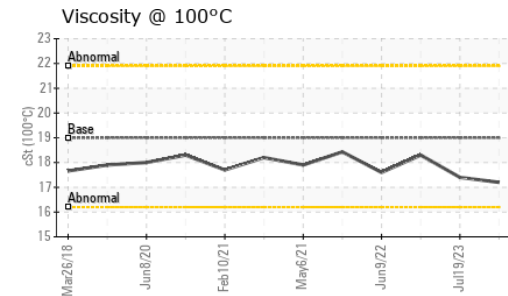
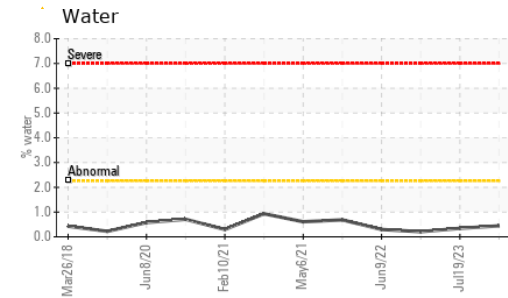
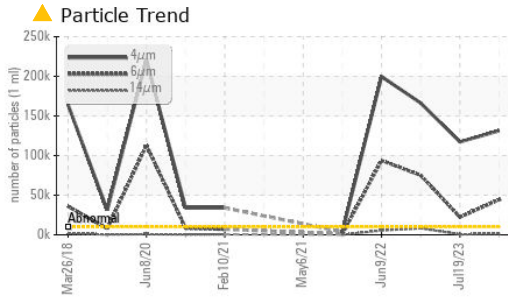
## FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >10000	▲ <b>131332</b>	▲ 117248	● 166203
Particles >6µm	ASTM D7647 >1300	▲ <b>44348</b>	▲ 22381	● 75162
Particles >14µm	ASTM D7647 >320	▲ <b>1323</b>	▲ 523	● 8202
Particles >21µm	ASTM D7647 >80	▲ <b>156</b>	79	● 2669
Particles >38µm	ASTM D7647 >20	<b>2</b>	1	● 162
Particles >71µm	ASTM D7647 >4	<b>0</b>	0	▲ 7
Oil Cleanliness	ISO 4406 (c) >20/17/15	▲ <b>24/23/18</b>	▲ 24/22/16	● 25/23/20

## FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045	<b>0.45</b>	0.401	0.68

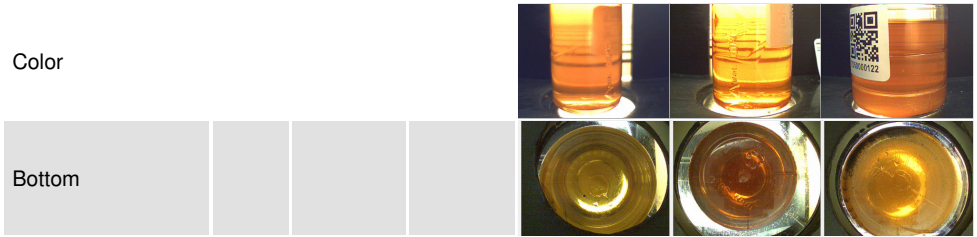
# OIL ANALYSIS REPORT



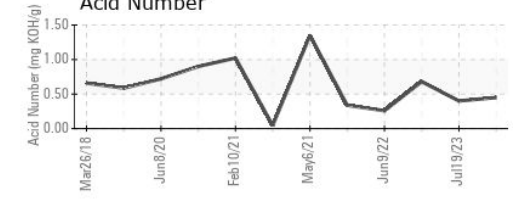
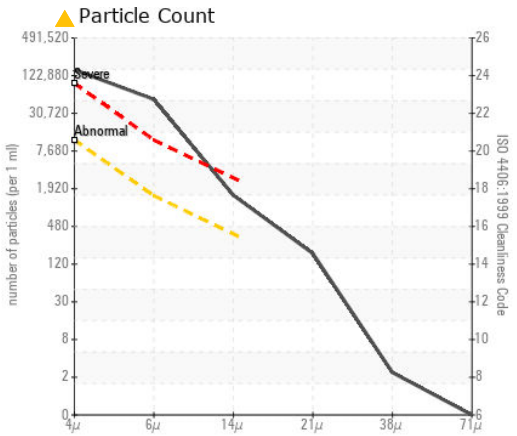
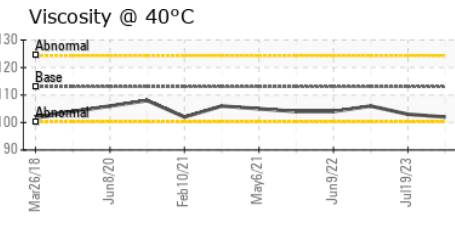
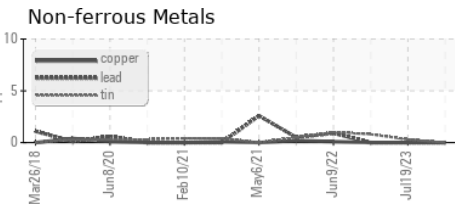
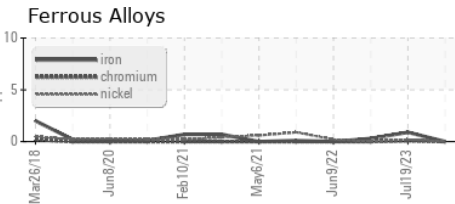
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	LIGHT	NONE
Debris	scalar	*Visual	NONE	LIGHT	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>2.26	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	113	102	103
Visc @ 100°C	cSt	ASTM D445	19	17.2	17.4
Viscosity Index (VI)	Scale	ASTM D2270	189	184	185

SAMPLE IMAGES	method	limit/base	current	history1	history2
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## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : TO60001321 **Received** : 14 Aug 2023  
**Lab Number** : 05924355 **Diagnosed** : 16 Aug 2023  
**Unique Number** : 10604302 **Diagnostician** : Don Baldrige  
**Test Package** : IND 2 ( Additional Tests: KF, KV100, PrtCount, VI )

**MELISSA RENEWABLES**  
 3820 SAM RAYBURN HWY  
 MELISSA, TX  
 US 75454  
 Contact: BILL PALMER  
 bpalmer@morrowenergy.com  
 T: (972)529-8442  
 F:

To discuss this sample report, contact Customer Service at 1-800-237-1369.  
 \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.  
 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)