

## **PROBLEM SUMMARY**

## Sample Rating Trend

DIRT



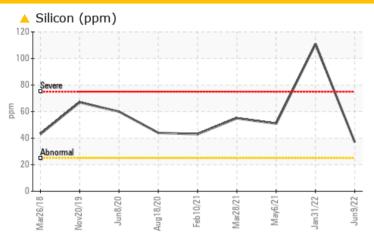
# MYCOM A

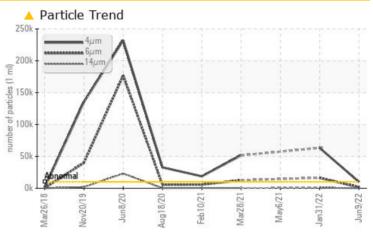
Component

Compressor

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

#### **COMPONENT CONDITION SUMMARY**





#### 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				ABNORMAL	ABNORMAL	ABNORMAL				
Silicon	ppm	ASTM D5185m	>25	<u> </u>	<u>▲</u> 111	<u>▲</u> 51				
Particles >6µm		ASTM D7647	>1300	<b>1661</b>	<u>▲</u> 16426					
Oil Cleanliness		ISO 4406 (c)	>20/17/15	<b>20/18/12</b>	A 23/21/17					

Customer Id: MELMELTX Sample No.: TO50000121 Lab Number: 05569217 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:

Don Baldridge +1 don.b505@comcast.net

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

#### **RECOMMENDED ACTIONS**

There are no recommended actions for this sample.

#### HISTORICAL DIAGNOSIS

#### 31 Jan 2022 Diag: Doug Bogart

DIRT



We recommend you service the filters on this component if applicable. 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.



#### 06 May 2021 Diag: Jonathan Hester

WAIER



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. Moderate concentration of visible metal present. All component wear rates are normal. There is a moderate concentration of water present in the oil. Moderate concentration of visible dirt/debris present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



#### 28 Mar 2021 Diag: Don Baldridge

WATER



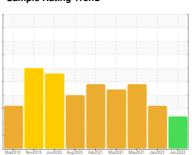
We advise that you follow the water drain-off procedure for this component. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a high amount of particulates present in the oil. Elemental level of silicon (Si) above normal indicating ingress of seal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





## **OIL ANALYSIS REPORT**

#### Sample Rating Trend





**MYCOM A** Component

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

# Compressor

**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 moderate 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	Ma2018 Nov2019 Juv2020 Aug2020 Feb2021 Ma2021 May2021 Juv2022 Juv2022								
SAMI LE IN OTT	MATION	method	limit/base	current	history1	history2			
Sample Number		Client Info		TO50000121	TO50000086	TO50000088			
Sample Date		Client Info		09 Jun 2022	31 Jan 2022	06 May 2021			
Machine Age	mths	Client Info		0	0	0			
Oil Age	mths	Client Info		0	0	0			
Oil Changed		Client Info		Filtered	N/A	N/A			
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL			
WEAR METALS		method	limit/base	current	history1	history2			
Iron	ppm	ASTM D5185m	>50	0	<1	0			
Chromium	ppm	ASTM D5185m	>10	0	<1	0			
Nickel	ppm	ASTM D5185m		<1	2	<1			
Titanium	ppm	ASTM D5185m		0	0	0			
Silver	ppm	ASTM D5185m		0	<1	0			
Aluminum	ppm	ASTM D5185m	>25	<1	<1	0			
Lead	ppm	ASTM D5185m	>25	<1	<1	<1			
Copper	ppm	ASTM D5185m	>50	0	<1	0			
Tin	ppm	ASTM D5185m	>15	1	<1	0			
Antimony	ppm	ASTM D5185m			<1	2			
Vanadium	ppm	ASTM D5185m		0	<1	0			
Cadmium	ppm	ASTM D5185m		0	0	0			
ADDITIVES		method	limit/base	current	history1	history2			
Boron	ppm	ASTM D5185m	0	<1	3	4			
Barium	ppm	ASTM D5185m		0	0	0			
Molybdenum	ppm	ASTM D5185m	0	<1	<1	0			
Manganese	ppm	ASTM D5185m		0	0	0			
Magnesium	ppm	ASTM D5185m	0	<1	<1	0			
Calcium	ppm	ASTM D5185m		0	<1	0			
Phosphorus	ppm	ASTM D5185m	0	17	14	<1			
Zinc	ppm	ASTM D5185m	0	0	0	1			
Sulfur	ppm	ASTM D5185m	0	2656	2309	1469			
CONTAMINANTS	3	method	limit/base	current	history1	history2			
Silicon	ppm	ASTM D5185m	>25	<b>△</b> 37	<u> </u>	<u></u> 51			
Sodium	ppm	ASTM D5185m		0	0	0			
Potassium	ppm	ASTM D5185m	>20	<1	2	0			
Water	%	ASTM D6304	>2.26	0.963	0.357	<b>△</b> 0.460			
ppm Water	ppm	ASTM D6304	>22600	9630	3578.2	<u>4600</u>			
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2			
Particles >4µm		ASTM D7647	>10000	9886	<b>△</b> 63348				
Particles >6µm		ASTM D7647	>1300	<b>1661</b>	<u>▲</u> 16426				
Particles >14µm		ASTM D7647	>320	34	<b>4</b> 994				
ι αιτισιού > 14μιτι		ASTM D7647	>80	9	<u>^</u> 229				
•									
Particles >21µm		ASTM D7647	>20	0	4				
Particles >21μm Particles >38μm		ASTM D7647	>20 >4	0					
Particles >21µm					4 0 ▲ 23/21/17				



## **OIL ANALYSIS REPORT**

