

# **PROBLEM SUMMARY**

## Sample Rating Trend

DIRT



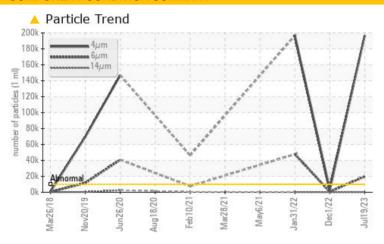
# VILTER B

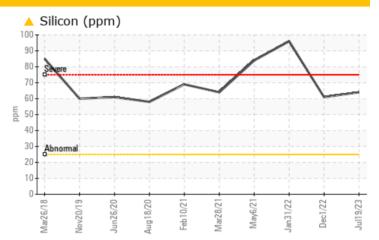
Component

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	<b>△</b> 64	<u>▲</u> 61	<b>△</b> 96				
Particles >4µm		ASTM D7647	>10000	<b>196882</b>	3365	<b>▲</b> 196636				
Particles >6µm		ASTM D7647	>1300	<b>19816</b>	594	<b>△</b> 47745				
Oil Cleanliness		ISO 4406 (c)	>20/17/15	<b>25/21/13</b>	19/16/12	25/23/14				

Customer Id: MELMELTX Sample No.: TO60000430 Lab Number: 05905468 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

#### 01 Dec 2022 Diag: Angela Borella

DIRT



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. Elemental level of silicon (Si) above normal indicating ingress of seal material. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.



#### 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 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.



#### 06 May 2021 Diag: Jonathan Hester

WAIER



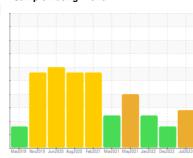
The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample. All component wear rates are normal. There is a moderate concentration of water present in the oil. There is a moderate amount of visible silt present in the sample. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





# **OIL ANALYSIS REPORT**

### Sample Rating Trend





history2

**VILTER B** Component

Compressor

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 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.

Sample Number		Client Info		TO60000430	TO50000125	TO50000083
Sample Date		Client Info		19 Jul 2023	01 Dec 2022	31 Jan 2022
Machine Age	wks	Client Info		0	0	0
Oil Age	wks	Client Info		0	0	0
Oil Changed		Client Info		Filtered	Filtered	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	6	0	3
Chromium	ppm	ASTM D5185m		0	0	0
Nickel	ppm	ASTM D5185m	710	<1	0	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		<1	0	<1
Aluminum	ppm	ASTM D5185m	>25	0	<1	<1
Lead	ppm	ASTM D5185m	>25	0	0	<1
Copper	ppm	ASTM D5185m	>50	<1	0	<1
Tin		ASTM D5185m	>15	<1	<1	1
Antimony	ppm	ASTM D5185m	>10	< I		1
Vanadium	ppm	ASTM D5185m		0	0	0
	ppm			-		
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	2
Barium	ppm	ASTM D5185m		<1	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m	0	0	2	<1
Calcium	ppm	ASTM D5185m		0	0	0
Phosphorus	ppm	ASTM D5185m	0	0	36	10
Zinc	ppm	ASTM D5185m	0	0	4	0
Sulfur	ppm	ASTM D5185m	0	15649	6098	6239
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<b>64</b>	<u></u> ▲ 61	<b>△</b> 96
Sodium	ppm	ASTM D5185m		0	0	2
Potassium	ppm	ASTM D5185m	>20	<1	0	2
Water	%	ASTM D6304	>2.26	0.473	0.301	0.003
ppm Water	ppm	ASTM D6304	>22600	4736.8	3017.4	32.7
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	<b>196882</b>	3365	<b>▲</b> 196636
Particles >6µm		ASTM D7647	>1300	<b>19816</b>	594	<b>△</b> 47745
Particles >14µm		ASTM D7647	>320	74	31	140
Particles >21µm		ASTM D7647	>80	16	9	31
Particles >38µm		ASTM D7647	>20	1	1	1
Particles >71µm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/17/15	<u> 25/21/13</u>	19/16/12	<u>\$\text{\Delta}\$ 25/23/14</u>
FLUID DEGRADA	TION	method	limit/base	Olympat	historya	history
1-LUID DEGNADA	TION	memou	IIIIIVbase	current	history1	history2

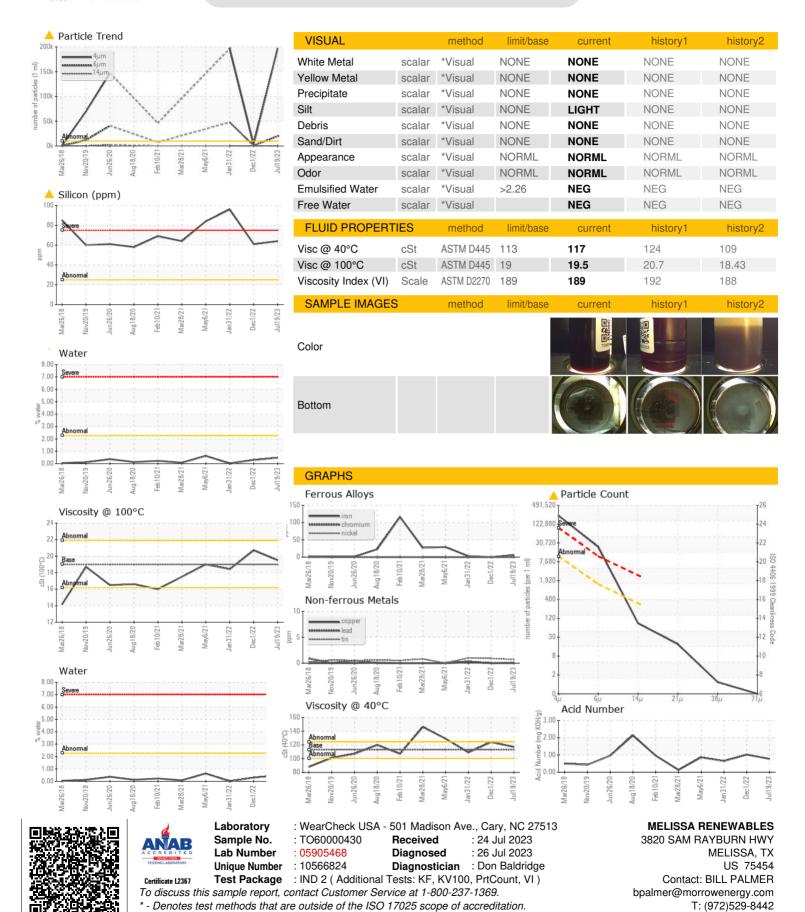
mg KOH/g ASTM D8045

Acid Number (AN)

0.641



# **OIL ANALYSIS REPORT**



Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

F: