

## **PROBLEM SUMMARY**

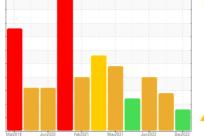
# Sample Rating Trend

DIRT

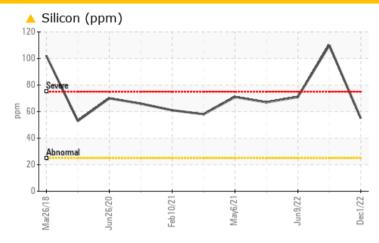
VILTER A Component

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 **4** 55 <u>^</u> 71 <u></u> 110

**Customer Id: MELMELTX** Sample No.: TO50000126 Lab Number: 05708435 Test Package: IND 2

To manage this report scan the QR code

To discuss the diagnosis or test data: Doug Bogart +1 (800)237-1369 x4016 dougb@wearcheckusa.com

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

### 09 Jun 2022 Diag: Don Baldridge

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 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. The condition of the oil is suitable for further service.



### 09 Jun 2022 Diag: Jonathan Hester

DIKT



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





## **OIL ANALYSIS REPORT**

# Sample Rating Trend



**VILTER A** 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

Elemental level of silicon (Si) above normal. The amount and size of particulates present in the system are acceptable.

### **Fluid Condition**

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

		Mar2018	Jun2020 Feb2021	May2021 Jun2022	Dec2022	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO50000126	TO50000129	TO50000128
Sample Date		Client Info		01 Dec 2022	09 Jun 2022	09 Jun 2022
Machine Age	mths	Client Info		0	0	0
Oil Age	mths	Client Info		0	0	0
Oil Changed		Client Info		Filtered	Filtered	Filtered
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1	1	18
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m		<1	<1	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	0	<1	<1
Lead	ppm	ASTM D5185m	>25	0	<1	<1
Copper	ppm	ASTM D5185m	>50	0	0	<1
Tin	ppm	ASTM D5185m	>15	1	1	2
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	2	3
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	<1	<1
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m	0	2	1	10
Calcium	ppm	ASTM D5185m		0	<1	13
Phosphorus	ppm	ASTM D5185m	0	36	6	7
Zinc	ppm	ASTM D5185m	0	4	0	0
Sulfur	ppm	ASTM D5185m	0	8505	4058	6757
CONTAMINANT	S	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<u>▲</u> 55	<b>▲</b> 71	<u> </u>
Sodium	ppm	ASTM D5185m		4	0	1
Potassium	ppm	ASTM D5185m		0	<1	<1
Water	%	ASTM D6304		0.271	0.667	0.919
ppm Water	ppm	ASTM D6304	>22600	2717.5	6670	9190
FLUID CLEANLI	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	3776	▲ 69132	▲ 228588
Particles >6µm		ASTM D7647	>2500	736	<b>△</b> 9887	<u> </u>
Particles >14μm		ASTM D7647	>320	42	256	<u>▲</u> 8313
Particles >21µm		ASTM D7647	>80	14	47	<u>▲</u> 2126
Particles >38µm		ASTM D7647	>20	0	1	<b>△</b> 36
Particles >71µm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	19/17/13	<u>△</u> 23/20/15	<u>△</u> 25/24/20
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2



### **OIL ANALYSIS REPORT**

