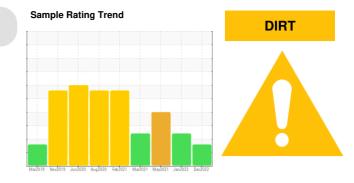
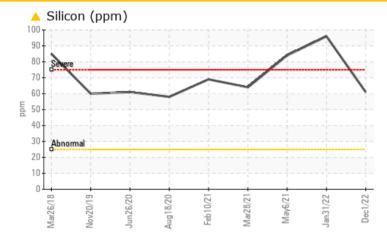


PROBLEM SUMMARY



Machine Id VILTER B Component Compressor Fluid TULCO LUBSOIL LPG WI 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.

PROBLEMATIC TEST RESULTS							
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL	
Silicon	ppm	ASTM D5185m	>25	<u> </u>	9 6	A 84	

Customer Id: MELMELTX Sample No.: TO50000125 Lab Number: 05708434 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Angela Borella +1 800-237-1369 angela.borella@wearcheckusa.com

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

31 Jan 2022 Diag: Doug Bogart

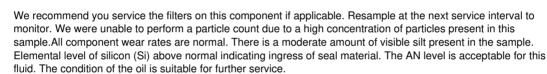


We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. Elemental level of silicon (Si) above normal indicating ingress of seal material. The AN level is acceptable for this fluid.

06 May 2021 Diag: Jonathan Hester

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.

28 Mar 2021 Diag: Jonathan Hester







view report



OIL ANALYSIS REPORT





Component Compressor Fluid TULCO LUBSOIL LPG WI 100 (--- GAL)

DIAGNOSIS

Machine Id

A Recommendation

VILTER B

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 indicating ingress of seal material. 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 acceptable for the time in service.

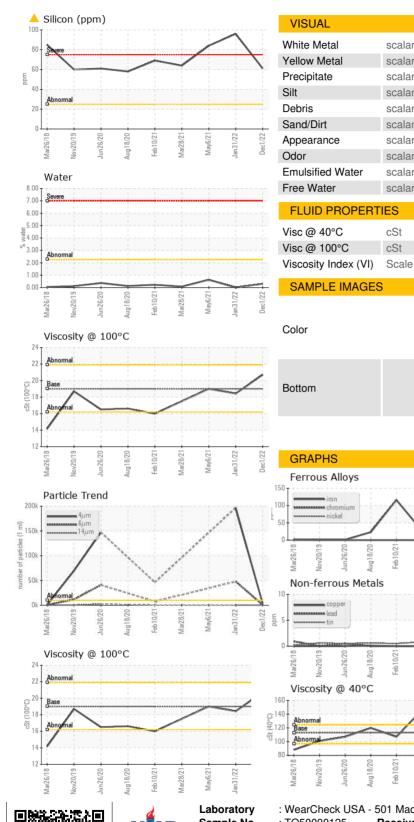
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO50000125	TO5000083	TO5000090
Sample Date		Client Info		01 Dec 2022	31 Jan 2022	06 May 2021
Machine Age	mths	Client Info		0	0	0
Oil Age	mths	Client Info		0	0	0
Oil Changed		Client Info		Filtered	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	3	29
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m		0	<1	1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	<1	<1
Aluminum	ppm	ASTM D5185m	>25	<1	<1	<1
Lead	ppm	ASTM D5185m	>25	0	<1	0
Copper	ppm	ASTM D5185m		0	<1	0
Tin	ppm	ASTM D5185m	>15	۰ <1	1	0
Antimony		ASTM D5185m	210	< I 	1	2
Vanadium	ppm	ASTM D5185m		0	0	0
	ppm			0	0	0
Cadmium	ppm	ASTM D5185m		U		-
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	2	<1
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m	0	2	<1	0
Calcium	ppm	ASTM D5185m		0	0	<1
Phosphorus	ppm	ASTM D5185m	0	36	10	5
Zinc	ppm	ASTM D5185m	0	4	0	0
Sulfur	ppm	ASTM D5185m	0	6098	6239	2086
CONTAMINANTS	6	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	6 1) 96	A 84
Sodium	ppm	ASTM D5185m		0	2	2
Potassium	ppm	ASTM D5185m	>20	0	2	0
Water	%	ASTM D6304	>2.26	0.301	0.003	▲ 0.627
ppm Water	ppm	ASTM D6304	>22600	3017.4	32.7	6270
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	3365	▲ 196636	
Particles >6µm		ASTM D7647	>1300	594	47745	
Particles >14µm		ASTM D7647	>320	31	140	
Particles >21µm		ASTM D7647	>80	9	31	
Particles >38μm		ASTM D7647	>20	1	1	
Particles >71µm		ASTM D7647		0	0	
Oil Cleanliness		ISO 4406 (c)	>20/17/15	19/16/12	▲ 25/23/14	
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		1.02	0.641	0.857
-51-41) Bov: 1	ing itori/g					

Report Id: MELMELTX [WUSCAR] 05708434 (Generated: 07/19/2023 14:51:41) Rev: 1

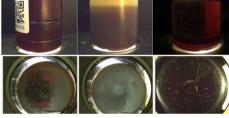
Contact/Location: BILL PALMER - MELMELTX

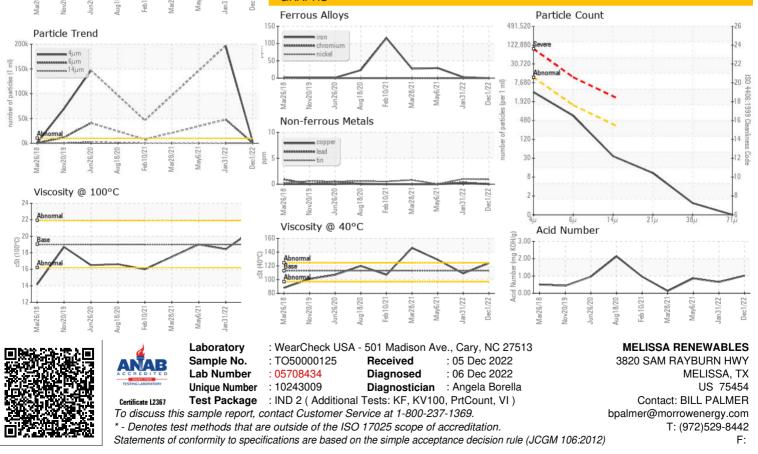


OIL ANALYSIS REPORT



VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	🔺 MODER
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>2.26	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	113	124	109	129
Visc @ 100°C	cSt	ASTM D445	19	20.7	18.43	19.0
Viscosity Index (VI)	Scale	ASTM D2270	189	192	188	166
SAMPLE IMAGES		method	limit/base	current	history1	history2





Contact/Location: BILL PALMER - MELMELTX