

PROBLEM SUMMARY

Sample Rating Trend

DIRT



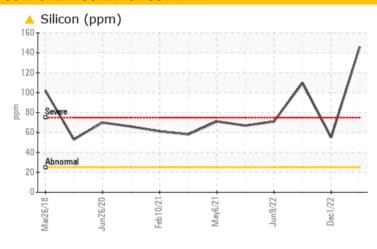
VILTER A

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. We were unable to perform a particle count due to a high concentration of particles present in this sample.

PROBLEMATIC TEST RESULTS	
Comple Ctatus	

Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
Silicon	ppm	ASTM D5185m	>25	<u> </u>	<u>▲</u> 55	<u>^</u> 71
Silt	scalar	*Visual	NONE	MODER	NONE	NONE

Customer Id: MELMELTX Sample No.: TO60000421 Lab Number: 05905469 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

Action	Status	Date	Done By	Description
Alert			?	We were unable to perform a particle count due to a high concentration of particles present in this sample.

HISTORICAL DIAGNOSIS

01 Dec 2022 Diag: Doug Bogart





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. Elemental level of silicon (Si) above normal. 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 suitable for further service.



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

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. 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

DIRT



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. We were unable to perform a particle count due to a high concentration of particles present in this sample.

Wear

All component wear rates are normal.

Contamination

Elemental level of silicon (Si) above normal. There is a moderate amount of visible silt present in the sample.

Fluid Condition

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

Mar2018 Junt2020 Feb2021 Mary2021 Junt2022 Dec2022	NC	method	lir	nit/base	(current	
		Mar2018	Jun2020	Feb2021	May2021	Jun2022	Dec2022
			1				
[•						1

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO60000421	TO50000126	TO50000129
Sample Date		Client Info		19 Jul 2023	01 Dec 2022	09 Jun 2022
Machine Age	wks	Client Info		0	0	0
Oil Age	wks	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	3	<1	1
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		<1	0	0
Aluminum	ppm	ASTM D5185m	>25	0	0	<1
Lead	ppm	ASTM D5185m	>25	0	0	<1
Copper	ppm	ASTM D5185m	>50	0	0	0
Tin	ppm	ASTM D5185m	>15	1	1	1
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	0	2
Barium	ppm	ASTM D5185m		<1	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0	<1
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m	0	0	2	1
Calcium	ppm	ASTM D5185m		0	0	<1
Phosphorus	ppm	ASTM D5185m	0	0	36	6
Zinc	ppm	ASTM D5185m	0	0	4	0
Sulfur	ppm	ASTM D5185m	0	9421	8505	4058
CONTAMINANTS	,	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	146	△ 55	<u>^</u> 71
Sodium	ppm	ASTM D5185m		0	4	0
Potassium	ppm	ASTM D5185m	>20	1	0	<1
Water	%	ASTM D6304	>2.26	2.406	0.271	0.667
ppm Water	ppm	ASTM D6304	>22600	24061.4	2717.5	6670
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000		3776	▲ 69132
Particles >6µm		ASTM D7647	>2500		736	△ 9887
Particles >14µm		ASTM D7647	>320		42	256
Particles >21µm		ASTM D7647	>80		14	47
Particles >38µm		ASTM D7647	>20		0	1
Particles >71µm		ASTM D7647	>4		0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15		19/17/13	△ 23/20/15

FLUID DEGRADATION

Acid Number (AN)

method

mg KOH/g ASTM D8045

limit/base

current

0.624

1.40

history1

history2

0.581



OIL ANALYSIS REPORT

