

PROBLEM SUMMARY

Machine Id FRICK FRICK B Component Screw Compressor

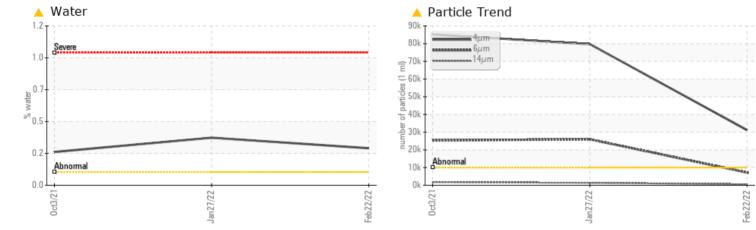
Fluid NOT GIVEN (--- GAL)

COMPONENT CONDITION SUMMARY



WATER

Sample Rating Trend



RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

THOBLEMATICT	LOTINE	.30L13				
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
Water	%	ASTM D6304	>0.1	A 0.279	0 .358	0.251
ppm Water	ppm	ASTM D6304	>1000	A 2790.1	4 3589.6	🔺 2511.2
Particles >4µm		ASTM D7647	>10000	<u> </u>	▲ 79723	▲ 85222
Particles >6µm		ASTM D7647	>2500	A 7207	🔺 25980	🔺 25315
Particles >14µm		ASTM D7647	>320	<u> </u>	1 375	1768
Particles >21µm		ASTM D7647	>80	<u> </u>	A 330	5 46
Oil Cleanliness		ISO 4406 (c)	>20/18/15	<u> </u>	▲ 23/22/18	4 /22/18

Customer Id: GARROW Sample No.: TO50000457 Lab Number: 05535247 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Jonathan Hester +1 919-379-4092 x4092 jhester@wearcheckusa.com

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

RECOMMENDED ACTIONS						
Action	Status	Date	Done By	Description		
Change Filter	MISSED	May 05 2022	?	We recommend you service the filters on this component.		

HISTORICAL DIAGNOSIS

27 Jan 2022 Diag: Jonathan Hester



We recommend you service the filters on this component. 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. There is a light concentration of water present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



03 Oct 2021 Diag: Doug Bogart

WATER



We recommend you service the filters on this component. 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. There is a light concentration of water present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





OIL ANALYSIS REPORT



WATER

FRICK FRICK B

Screw Compressor Fluid NOT GIVEN (--- GAL)

DIAGNOSIS

A Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a high amount of particulates present in the oil. There is a light concentration of water present in the oil.

Fluid Condition

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

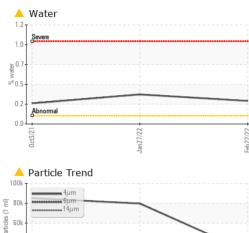
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO50000457	TO50000454	TO50000452
Sample Date		Client Info		22 Feb 2022	27 Jan 2022	03 Oct 2021
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>60	0	0	<1
Chromium	ppm	ASTM D5185m	>4	0	0	0
Nickel	ppm	ASTM D5185m		0	0	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	1
Aluminum	ppm	ASTM D5185m	>5	0	0	<1
Lead	ppm	ASTM D5185m	>10	0	0	<1
Copper	ppm	ASTM D5185m		0	0	<1
Tin	ppm	ASTM D5185m	>15	۰ <1	<1	<1
		ASTM D5185m	210	< I 	< 1	<1
Antimony	ppm					
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		2	<1	<1
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	<1
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m		0	0	<1
Calcium	ppm	ASTM D5185m		0	0	<1
Phosphorus	ppm	ASTM D5185m		11	7	6
Zinc	ppm	ASTM D5185m		0	0	0
Sulfur	ppm	ASTM D5185m		1055	1247	756
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	23	30	24
Sodium	ppm	ASTM D5185m	200	0	0	1
Potassium		ASTM D5185m	> 20	1	1	1
Water	ppm %	ASTM D510311		0.279	▲ 0.358	0.251
ppm Water		ASTM D6304 ASTM D6304		0.279 2790.1	▲ 3589.6	▲ 2511.2
	ppm					
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	A 31215	▲ 79723	▲ 85222
Particles >6µm		ASTM D7647		<u> </u>	▲ 25980	<u> </u>
Particles >14µm		ASTM D7647	>320	<u> </u>	1 375	1 768
Particles >21µm		ASTM D7647	>80	<u> </u>	A 330	5 46
Particles >38µm		ASTM D7647	>20	2	9	A 22
Particles >71µm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	A 22/20/16	▲ 23/22/18	▲ 24/22/18
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.305	0.206	0.822
		20010		0 1 1/		

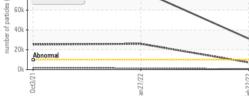
Report Id: GARROW [WUSCAR] 05535247 (Generated: 07/19/2023 15:25:11) Rev: 1

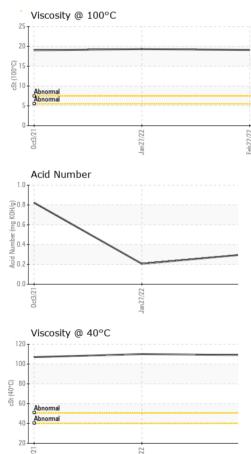
Contact/Location: DUSTIN FRY - GARROW



OIL ANALYSIS REPORT

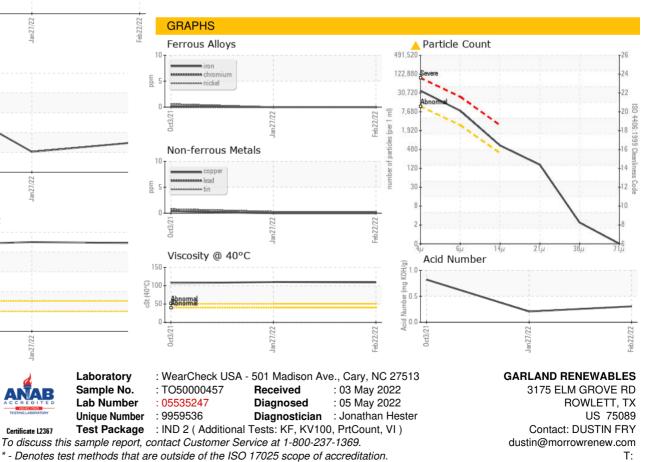






VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	LIGHT	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	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		109	110	107
Visc @ 100°C	cSt	ASTM D445		19.1	19.3	19.03
Viscosity Index (VI)	Scale	ASTM D2270		197	197	199
SAMPLE IMAGES	6	method	limit/base	current	history1	history2
Color						
				1 Providence in the second sec	North Contraction	THE R.

Bottom



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

Certificate L2367

Contact/Location: DUSTIN FRY - GARROW

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