

PROBLEM SUMMARY

Sample Rating Trend

WATER

WATER

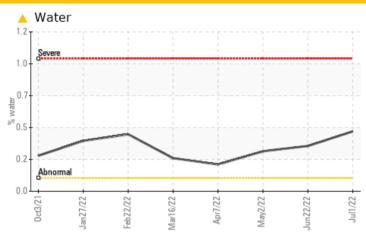
FRICK FRICK A

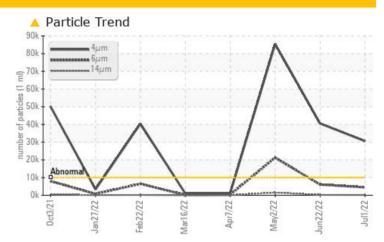
Component

Screw Compressor

ISO 100 (--- GAL)

COMPONENT CONDITION SUMMARY





RECOMMENDATION

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

PROBLEMATIC TEST RESULTS									
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL			
Water	%	ASTM D6304	>0.1	<u> </u>	△ 0.341	△ 0.301			
ppm Water	ppm	ASTM D6304	>1000	4512.2	<u>▲</u> 3410.1	▲ 3014.1			
Particles >4µm		ASTM D7647	>10000	4 30572	4 0554	<u>▲</u> 85471			
Particles >6µm		ASTM D7647	>2500	4466	<u></u> 6070	<u>121240</u>			
Oil Cleanliness		ISO 4406 (c)	>20/18/15	<u>22/19/14</u>	<u>\$\Delta\$ 23/20/15</u>	<u>4</u> 24/22/18			

Customer Id: GARROW Sample No.: TO60000182 Lab Number: 05595392 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

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Filter	MISSED	Aug 23 2022	?	We recommend you service the filters on this component.

HISTORICAL DIAGNOSIS

22 Jun 2022 Diag: Angela Borella

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 silt (particulates < 14 microns in size) 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.



02 May 2022 Diag: Doug Bogart

WAIER



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.



07 Apr 2022 Diag: Jonathan Hester

WATER



No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a light concentration of water present in the oil. 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.





OIL ANALYSIS REPORT

Sample Rating Trend



WATER



FRICK FRICK A

Component

Screw Compressor

ISO 100 (--- GAL)

DIAGNOSIS

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 silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

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

		0ct2021	Jan 2022 Feb 2022 Mar 20	22 Apr2022 May2022 Jun2022	Jul2022	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO60000182	TO50000459	TO70000048
Sample Date		Client Info		01 Jul 2022	22 Jun 2022	02 May 2022
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	<1	<1	0
Chromium	ppm	ASTM D5185m	>4	0	0	0
Nickel	ppm	ASTM D5185m		<1	<1	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		<1	<1	<1
Aluminum	ppm	ASTM D5185m	>5	<1	<1	0
Lead	ppm	ASTM D5185m	>10	<1	<1	<1
Copper	ppm	ASTM D5185m	>30	<1	<1	0
Tin	ppm	ASTM D5185m	>15	2	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		7	4	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		<1	<1	0
Calcium	ppm	ASTM D5185m		2	4	6
Phosphorus	ppm	ASTM D5185m		28	31	33
Zinc	ppm	ASTM D5185m		5	2	2
Sulfur	ppm	ASTM D5185m		1584	1130	947
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	23	22	19
Sodium	ppm	ASTM D5185m		0	0	0
Potassium	ppm	ASTM D5185m	>20	1	1	0
Water	%	ASTM D6304	>0.1	<u> </u>	△ 0.341	△ 0.301
ppm Water	ppm	ASTM D6304	>1000	4512.2	△ 3410.1	▲ 3014.1
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	▲ 30572	<u>40554</u>	<u>▲</u> 85471
Particles >6µm		ASTM D7647	>2500	4466	<u>▲</u> 6070	<u>^</u> 21240
Particles >14µm		ASTM D7647	>320	145	201	<u> </u>
Particles >21µm		ASTM D7647	>80	31	38	<u>448</u>
Particles >38µm		ASTM D7647	>20	1	1	16
Particles >71μm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	<u>^</u> 22/19/14	<u>\$\text{23}\20\15\$</u>	<u>4</u> 24/22/18
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.531	0.305	0.185



OIL ANALYSIS REPORT

