

PROBLEM SUMMARY

Sample Rating Trend

WATER



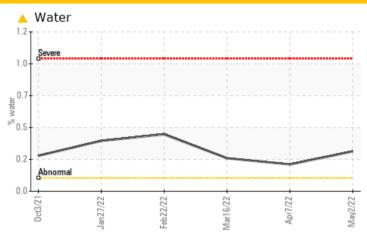
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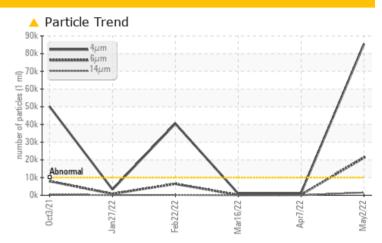
Component

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 T	EST RE	SULTS				
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
Water	%	ASTM D6304	>0.1	△ 0.301	△ 0.202	△ 0.249
ppm Water	ppm	ASTM D6304	>1000	3014.1	<u>▲</u> 2027.0	2493.7
Particles >4µm		ASTM D7647	>10000	<u>\$5471</u>	1280	975
Particles >6µm		ASTM D7647	>2500	21240	349	177
Particles >14µm		ASTM D7647	>320	<u> </u>	34	24
Particles >21µm		ASTM D7647	>80	448	11	7
Oil Cleanliness		ISO 4406 (c)	>20/18/15	<u>4</u> 24/22/18	17/16/12	17/15/12

Customer Id: GARROW Sample No.: TO70000048 Lab Number: 05550055 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

Action	Status	Date	Done By	Description
Change Filter	MISSED	Jul 21 2022	?	We recommend you service the filters on this component.

HISTORICAL DIAGNOSIS

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.



16 Mar 2022 Diag: Jonathan Hester

WAIER



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.

view report

22 Feb 2022 Diag: Jonathan Hester

WATER



We advise that you follow the water drain-off procedure for this component, and use off-line filtration to improve the cleanliness of the system fluid. Resample at the next service interval to monitor. All component wear rates are normal. Insufficient sample was received to conduct all the routine laboratory tests. There is a high amount of silt (particulates < 14 microns in size) present in the oil. There is a moderate concentration of water present in the oil. The condition of the oil is acceptable for the time in 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 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.

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		0ct2021	Jan2022 Feb2022	Mar2022 Apr2022	May2022	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO70000048	TO70000044	TO70000041
Sample Date		Client Info		02 May 2022	07 Apr 2022	16 Mar 2022
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed	1110	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	0
Chromium	ppm	ASTM D5185m	>4	0	0	0
Nickel	ppm	ASTM D5185m		<1	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>5	0	0	0
Lead	ppm	ASTM D5185m	>10	<1	0	0
Copper	ppm	ASTM D5185m	>30	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	<1
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		0	0	0
Calcium	ppm	ASTM D5185m		6	0	0
Phosphorus	ppm	ASTM D5185m		33	19	17
Zinc	ppm	ASTM D5185m		2	0	0
Sulfur	ppm	ASTM D5185m		947	2165	2118
CONTAMINANTS	}	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	19	16	15
Sodium	ppm	ASTM D5185m		0	0	0
Potassium	ppm	ASTM D5185m	>20	0	<1	2
Water	%	ASTM D6304	>0.1	<u> </u>	▲ 0.202	△ 0.249
ppm Water	ppm	ASTM D6304	>1000	△ 3014.1	△ 2027.0	△ 2493.7
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Portiolog - Aum		ASTM D7647	>10000	<u>\$5471</u>	1280	975
Particles >4µm		ASTM D7647	>2500	<u> </u>	349	177
•						
Particles >6µm Particles >14µm		ASTM D7647	>320	<u> </u>	34	24
Particles >6µm			>320 >80	▲ 1545 ▲ 448	34 11	24 7
Particles >6μm Particles >14μm		ASTM D7647				
Particles >6μm Particles >14μm Particles >21μm		ASTM D7647 ASTM D7647	>80	<u>448</u>	11	7
Particles >6μm Particles >14μm Particles >21μm Particles >38μm		ASTM D7647 ASTM D7647 ASTM D7647	>80 >20	▲ 448 16	11 1	7

Acid Number (AN)

mg KOH/g ASTM D8045

0.205

0.185

0.231



OIL ANALYSIS REPORT

