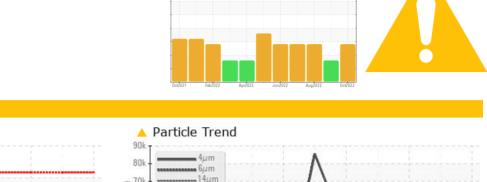


PROBLEM SUMMARY

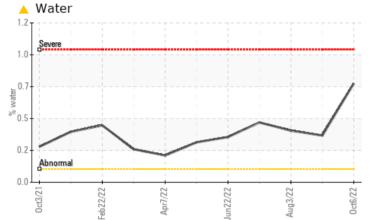
FRICK FRICK A

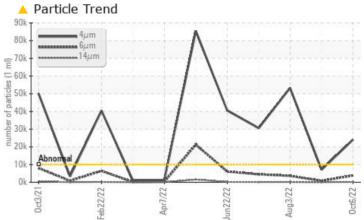
Component Screw Compressor Fluid COMPRESSOR OIL ISO 100 (--- GAL)

COMPONENT CONDITION SUMMARY



Sample Rating Trend





WATER

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	0.744	▲ 0.352	0.389		
ppm Water	ppm	ASTM D6304	>1000	A 7448.1	▲ 3527.7	▲ 3890.3		
Particles >4µm		ASTM D7647	>10000	A 24027	7107	▲ 53278		
Particles >6µm		ASTM D7647	>2500	A 3814	768	<u> </u>		
Oil Cleanliness		ISO 4406 (c)	>20/18/15	A 22/19/15	20/17/12	2 3/19/14		

Customer Id: GARROW Sample No.: TO60000187 Lab Number: 05690837 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Don Baldridge +1 <u>don.b505@comcast.net</u>

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

RECOMMENDED A	CTIONS			
Action	Status	Date	Done By	Description
Change Filter	MISSED	Nov 28 2022	?	We recommend you service the filters on this component.

HISTORICAL DIAGNOSIS



06 Sep 2022 Diag: Doug Bogart

We recommend you service the filters on this component. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.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

03 Aug 2022 Diag: Don Baldridge

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.

01 Jul 2022 Diag: Angela Borella

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. 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

Screw Compressor Fluid COMPRESSOR OIL ISO 100 (--- 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 silt (particulates < 14 microns in size) present in the oil. There is a light concentration of water present in the oil.

Fluid Condition

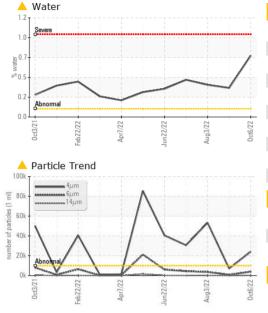
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

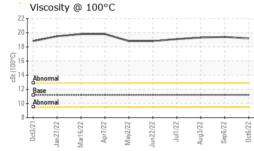
		0ct2021	Feb2022 Apr2022	Jun2022 Aug2022	0ct2022	
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO60000187	TO60000189	TO60000186
Sample Date		Client Info		06 Oct 2022	06 Sep 2022	03 Aug 2022
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	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	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	<1	<1
Copper	ppm	ASTM D5185m		0	0	0
Tin	ppm	ASTM D5185m	>15	1	<1	<1
Vanadium	ppm	ASTM D5185m	210	0	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES	pp	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	5	0	3	3
Barium	ppm	ASTM D5185m	5	0	0	0
Molybdenum		ASTM D5185m	5	0	0	0
-	ppm		5	0	0	0
Manganese	ppm	ASTM D5185m	E	-	<1	<1
Magnesium	ppm	ASTM D5185m	5	0		
Calcium	ppm	ASTM D5185m	5	2	1	2
Phosphorus	ppm	ASTM D5185m	150	31	36	26
Zinc	ppm	ASTM D5185m	5	0	<1	1
Sulfur	ppm	ASTM D5185m	5000	3187	2475	2445
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	24	17	20
Sodium	ppm	ASTM D5185m		0	0	0
Potassium	ppm	ASTM D5185m	>20	0	2	0
Water	%	ASTM D6304	>0.1	A 0.744	▲ 0.352	▲ 0.389
ppm Water	ppm	ASTM D6304	>1000	A 7448.1	▲ 3527.7	▲ 3890.3
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	A 24027	7107	▲ 53278
Particles >6µm		ASTM D7647	>2500	<u> </u>	768	▲ 3638
Particles >14µm		ASTM D7647	>320	194	31	148
Particles >21µm		ASTM D7647	>80	32	7	45
Particles >38µm		ASTM D7647	>20	2	0	2
Particles >71µm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	A 22/19/15	20/17/12	▲ 23/19/14
FLUID DEGRADA		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.51	0.199	0.194	0.296
	9	00.0				

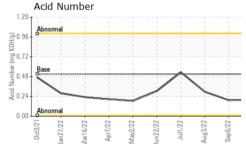
Contact/Location: DUSTIN FRY - GARROW

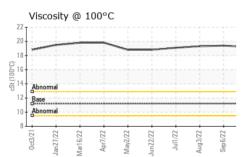
TULCO WEATERK

OIL ANALYSIS REPORT



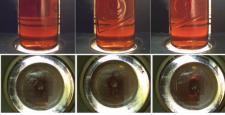


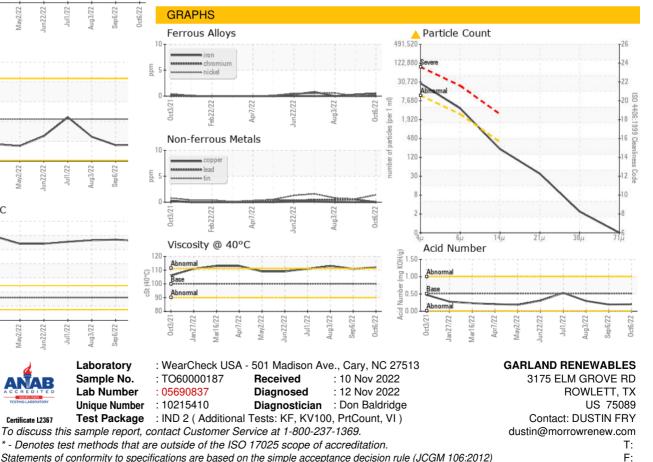




Certificate L2367

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	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	LIGHT
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	100	112	111	113
Visc @ 100°C	cSt	ASTM D445	11.2	19.2	19.4	19.3
Viscosity Index (VI)	Scale	ASTM D2270	97	193	197	193
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color						





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

Bottom

Report Id: GARROW [WUSCAR] 05690837 (Generated: 07/19/2023 15:31:16) Rev: 1

Contact/Location: DUSTIN FRY - GARROW