

# **OIL ANALYSIS REPORT**

#### Sample Rating Trend

### NORMAL

## Machine Id Component Reciprocating Compressor Fluid NOT GIVEN (--- GAL)

#### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

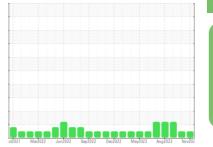
All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

#### 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		TO50001884	TO50001877	TO60000872
Sample Date		Client Info		04 Nov 2023	13 Oct 2023	07 Sep 2023
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				NORMAL	NORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	2	0	0
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m		1	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	<1	<1
Lead	ppm	ASTM D5185m	>25	0	0	0
Copper	ppm	ASTM D5185m	>50	0	1	0
Tin	ppm	ASTM D5185m	>15	0	<1	0
Vanadium	ppm	ASTM D5185m	210	0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m		3	0	4
Calcium	ppm	ASTM D5185m		4	4	4
Phosphorus	ppm	ASTM D5185m		25	4	35
Zinc	ppm	ASTM D5185m		5	4	14
Sulfur	ppm	ASTM D5185m		2703	2470	3845
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	0	1
Sodium	ppm	ASTM D5185m		<1	1	0
Potassium	ppm	ASTM D5185m	>20	1	0	<1
Water	%	ASTM D6304	>0.1	0.003	0.003	0.003
ppm Water	ppm	ASTM D6304	>1000	35.8	38.0	33.6
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	2196	4364	<b>4</b> 91166
Particles >6µm		ASTM D7647	>2500	563	1457	12542
Particles >14µm		ASTM D7647	>320	53	215	147
Particles >21µm		ASTM D7647	>80	17	73	31
Particles >38µm		ASTM D7647	>20	0	1	2
Particles >71µm		ASTM D7647	>4	0	0	1
Oil Cleanliness		ISO 4406 (c)	>20/18/15	18/16/13	19/18/15	▲ 24/21/14
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.056	0.054	0.043

Contact/Location: DUSTIN FRY - GARROW



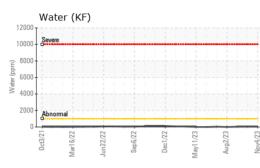
Particle Trend

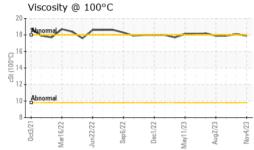
100 09 (1 ml) 09

40

01

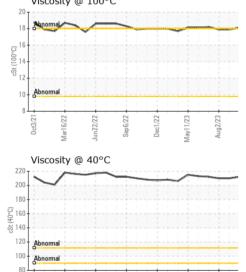
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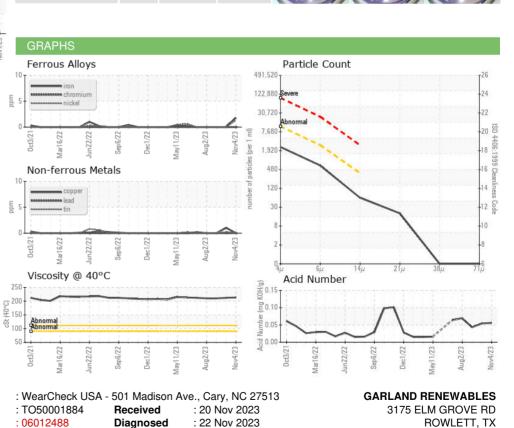




Abnomal 14µm 12272 Tall 12772 Tall 127







To discuss this sample report, contact Customer Service at 1-800-237-1369. \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Certificate L2367

May11/23 -

50/Cum

Laboratory

Sample No.

Lab Number

Unique Number

: 10751632

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

Test Package : IND 2 (Additional Tests: KF, KV100, PrtCount, VI)

Diagnostician : Don Baldridge

ROWLETT, TX US 75089 Contact: DUSTIN FRY dustin@morrowrenew.com T:

F: