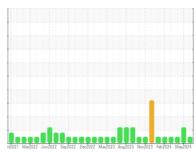


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id

ARIEL

Reciprocating Compressor

{not provided} (--- GAL)

Recommendation

Resample at the next service interval to monitor.

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.

		ct2021 Mar202	2 Jun2022 Sep2022 Dec202	2 May2023 Aug2023 Nov2023 Feb2	024 May2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO50002559	TO50002566	TO60000869
Sample Date		Client Info		03 Jun 2024	07 May 2024	19 Apr 2024
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	ATTENTION	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	<1	0
Chromium	ppm	ASTM D5185m	>10	0	<1	0
Nickel	ppm	ASTM D5185m		0	0	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	0	1	0
Lead	ppm	ASTM D5185m	>25	<1	0	<1
Copper	ppm	ASTM D5185m	>50	0	<1	0
Tin	ppm	ASTM D5185m	>15	0	<1	<1
Vanadium	ppm	ASTM D5185m		<1	<1	0
Cadmium	ppm	ASTM D5185m		0	<1	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	<1	0
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m		2	7	11
Calcium	ppm	ASTM D5185m		5	11	13
Phosphorus	ppm	ASTM D5185m		19	22	27
Zinc	ppm	ASTM D5185m		10	9	7
Sulfur	ppm	ASTM D5185m		2722	2579	2697
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	2	1
Sodium	ppm	ASTM D5185m		<1	<1	0
Potassium	ppm	ASTM D5185m	>20	0	1	2
Water	%	ASTM D6304	>0.1	0.00	0.001	0.000
ppm Water	ppm	ASTM D6304	>1000	0	4	0
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	2533	18166	2966
Particles >6µm		ASTM D7647		239	3987	545
Particles >14μm		ASTM D7647	>320	7	167	30
Particles >21µm		ASTM D7647		1	35	5
Particles >38µm		ASTM D7647	>20	0	0	0
Particles >71μm		ASTM D7647		0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	19/15/10	21/19/15	19/16/12
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.084	0.075	0.073



OIL ANALYSIS REPORT







Certificate 12367

Laboratory

Sample No. Lab Number

: TO50002559 : 06202832

Unique Number : 11070293

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 07 Jun 2024 **Tested** : 10 Jun 2024 Diagnosed : 10 Jun 2024 - Don Baldridge

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

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

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

GARLAND RENEWABLES 3175 ELM GROVE RD

ROWLETT, TX US 75089

Contact: DUSTIN FRY dustin@morrowrenew.com

T:

F: