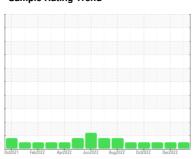


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id ARIEL

Component

Reciprocating Compressor

NOT GIVEN (--- 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.

		0ct2021 Fe	b2022 Apr2022 Jun	2022 Aug2022 Oct2022	Dec2022	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO7000054	TO60000197	TO60000193
Sample Date		Client Info		07 Feb 2023	01 Dec 2022	15 Nov 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				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	0	0
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m		0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	0	0	0
Lead	ppm	ASTM D5185m	>25	0	0	0
Copper	ppm	ASTM D5185m	>50	0	0	0
Tin	ppm	ASTM D5185m	>15	0	0	0
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	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	<1	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		1	2	0
Calcium	ppm	ASTM D5185m		28	0	0
Phosphorus	ppm	ASTM D5185m		31	19	14
Zinc	ppm	ASTM D5185m		16	2	0
Sulfur	ppm	ASTM D5185m		2600	3161	3312
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	3	2	2
Sodium	ppm	ASTM D5185m		0	0	0
Potassium	ppm	ASTM D5185m	>20	<1	0	0
Water	%	ASTM D6304	>0.1	0.006	0.011	0.008
ppm Water	ppm	ASTM D6304	>1000	69.8	117.4	84.1
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>10000	4792	3931	6308
Particles >6µm		ASTM D7647	>2500	1158	932	1465
Particles >14µm		ASTM D7647	>320	64	49	115
Particles >21µm		ASTM D7647	>80	11	8	29
Particles >38µm		ASTM D7647	>20	1	0	0
Particles >71μm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	19/17/13	19/17/13	20/18/14
FLUID DEGRADA	ATION _	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.015	0.028	0.101



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