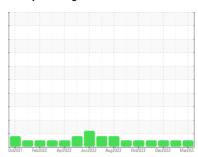


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id ARIEL

Component

Reciprocating Compressor

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.

Oct021 Feb2022 Apr2022 Jun2022 Apr2022 Oct2022 Oct2022 Mar2022						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO7000055	TO70000054	TO60000197
Sample Date		Client Info		07 Mar 2023	07 Feb 2023	01 Dec 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		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	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		<1	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	<1
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m		2	1	2
Calcium	ppm	ASTM D5185m		41	28	0
Phosphorus	ppm	ASTM D5185m		36	31	19
Zinc	ppm	ASTM D5185m		7	16	2
Sulfur	ppm	ASTM D5185m		2533	2600	3161
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	3	2
Sodium	ppm	ASTM D5185m		0	0	0
Potassium	ppm	ASTM D5185m	>20	0	<1	0
Water	%	ASTM D6304	>0.1	0.006	0.006	0.011
ppm Water	ppm	ASTM D6304	>1000	62.4	69.8	117.4
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	2784	4792	3931
Particles >6µm		ASTM D7647	>2500	464	1158	932
Particles >14µm		ASTM D7647	>320	11	64	49
Particles >21µm		ASTM D7647	>80	2	11	8
Particles >38µm		ASTM D7647	>20	1	1	0
Particles >71µm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	19/16/11	19/17/13	19/17/13
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
A : INI /AND		A OTA A DOG 45		0.015	0.045	0.000

Acid Number (AN)

mg KOH/g ASTM D8045

0.015

0.015

0.028



OIL ANALYSIS REPORT

