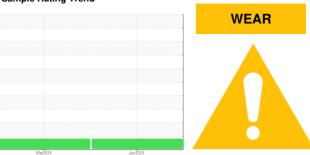


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

KAESER 9092352

Component Compressor

KAESER SIGMA (OEM) FG-460 (--- GAL)

DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

The aluminum level is abnormal. All other 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.

		<u> </u>	Mar2024	Jun2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KC109401	KC125701	
Sample Date		Client Info		13 Jun 2024	07 Mar 2024	
Machine Age	hrs	Client Info		5065	3710	
Oil Age	hrs	Client Info		1355	0	
Oil Changed		Client Info		Changed	N/A	
Sample Status				ABNORMAL	ABNORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	9	5	
Chromium	ppm	ASTM D5185m	>10	0	<1	
Nickel	ppm	ASTM D5185m	>3	0	0	
Titanium	ppm	ASTM D5185m	>3	0	<1	
Silver	ppm	ASTM D5185m	>2	0	<1	
Aluminum	ppm	ASTM D5185m	>10	<u>^</u> 28	<u>^</u> 22	
Lead	ppm	ASTM D5185m	>10	0	1	
Copper	ppm	ASTM D5185m	>50	2	2	
Tin	ppm	ASTM D5185m	>10	0	<1	
Vanadium	ppm	ASTM D5185m		<1	<1	
Cadmium	ppm	ASTM D5185m		0	<1	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	
Barium	ppm	ASTM D5185m		0	0	
Molybdenum	ppm	ASTM D5185m		0	0	
Manganese	ppm	ASTM D5185m		<1	<1	
Magnesium	ppm	ASTM D5185m		0	0	
Calcium	ppm	ASTM D5185m		0	0	
Phosphorus	ppm	ASTM D5185m	500	281	444	
Zinc	ppm	ASTM D5185m		79	240	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	
Sodium	ppm	ASTM D5185m		2	2	
Potassium	ppm	ASTM D5185m	>20	2	2	
Water	%	ASTM D6304	>0.05	0.005	0.004	
ppm Water	ppm	ASTM D6304	>500	53	44	
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		3441	742	
Particles >6µm		ASTM D7647	>1300	632	190	
Particles >14μm		ASTM D7647	>80	44	17	
Particles >21µm		ASTM D7647	>20	10	7	
Particles >38μm		ASTM D7647	>4	1	0	
Particles >71µm		ASTM D7647	>3	1	0	
Oil Cleanliness		ISO 4406 (c)	>/17/13	19/16/13	17/15/11	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2

Acid Number (AN)

mg KOH/g ASTM D8045 1.5

1.26

0.72



OIL ANALYSIS REPORT





Certificate 12367

Laboratory Sample No. : KC109401 Lab Number : 06220369 Unique Number : 11098566

Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 25 Jun 2024 **Tested** : 26 Jun 2024

Diagnosed : 27 Jun 2024 - Don Baldridge

CIRKUL INC 4456 EAGLE FALLS PL TAMPA, FL US 33619

Contact: Service Manager

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)

Report Id: CIRTAM [WUSCAR] 06220369 (Generated: 06/27/2024 15:15:07) Rev: 1

Contact/Location: Service Manager - CIRTAM

T:

F: