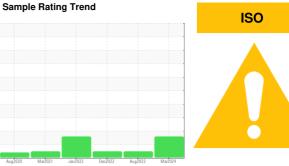


OIL ANALYSIS REPORT



7239207 (S/N 1010)

Component

Compressor

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

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is a high amount of particulates present in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

		Aug 2020	Mar2021 Jan2022	Dec2022 Aug2023	Mar2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KC128653	KC110649	KC107661
Sample Date		Client Info		14 Mar 2024	19 Aug 2023	28 Dec 2022
Machine Age	hrs	Client Info		26669	21744	16451
Oil Age	hrs	Client Info		0	5293	5400
Oil Changed		Client Info		Not Changd	Changed	Changed
Sample Status				ABNORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	2	2
Chromium	ppm	ASTM D5185m	>10	0	0	<1
Nickel	ppm	ASTM D5185m	>3	0	0	0
Titanium	ppm	ASTM D5185m	>3	0	0	<1
Silver	ppm	ASTM D5185m	>2	0	0	<1
Aluminum	ppm	ASTM D5185m		3	2	3
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm		>50	14	17	21
Tin	ppm	ASTM D5185m	>10	<1	0	0
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		0	<1	<1
Cadmium	ppm	ASTM D5185m		0	0	<1
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		0	0	<1
Magnesium	ppm	ASTM D5185m		0	0	0
Calcium	ppm	ASTM D5185m		0	0	0
Phosphorus	ppm	ASTM D5185m	500	332	302	238
Zinc	ppm	ASTM D5185m		400	343	348
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	0	<1
Sodium	ppm	ASTM D5185m		0	1	<1
Potassium	ppm	ASTM D5185m		0	0	0
Water	%	ASTM D6304		0.001	0.003	0.004
ppm Water	ppm	ASTM D6304	>500	4	26.4	40.1
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		6536	2317	6140
Particles >6µm		ASTM D7647	>1300	<u>▲</u> 3163	732	1148
Particles >14μm		ASTM D7647	>80	402	60	61
Particles >21μm		ASTM D7647	>20	<u>^</u> 83	11	12
Particles >38μm		ASTM D7647	>4	1	0	1
Particles >71μm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	<u>20/19/16</u>	18/17/13	20/17/13
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.5	0.93	0.78	0.67



OIL ANALYSIS REPORT



* - 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)

T: F: