



KAESER 7650198

Component Compressor Fluid KAESER SIGMA (OEM) FG-460 (--- GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

The oil is near the end of it's useful service life, recommend schedule an oil change. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS						
Sample Status				ABNORMAL	ABNORMAL	NORMAL
Acid Number (AN)	mg KOH/g	ASTM D8045	1.5	2.73	6.257	0.87

Customer Id: SOLFED Sample No.: KC05927849 Lab Number: 05927849 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Don Baldridge +1 <u>don.b505@comcast.net</u>

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com



RECOMMENDED A	CTIONS			
Action	Status	Date	Done By	Desc
Service/change Fluid			?	The

Description

The oil is near the end of it's useful service life, recommend schedule an oil change.

HISTORICAL DIAGNOSIS



29 Nov 2022 Diag: Angela Borella

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.



view report

09 Mar 2022 Diag: Don Baldridge

NORMAL



Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

19 Jan 2022 Diag: Doug Bogart

Resample at the next service interval to monitor.All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.







OIL ANALYSIS REPORT

Sample Rating Trend

DEGRADATION



Machine Id **KAESER 7650198** Component

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

DIAGNOSIS

Recommendation

The oil is near the end of it's useful service life, recommend schedule an oil change. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

Fluid Condition

The AN level is at the top-end of the recommended limit.

Sample Number Client Info KC05927849 KC108032 KC96707 Sample Date Client Info 08 Aug 2023 29 Nov 2022 09 Mar 2022 Machine Age hrs Client Info 18429 12750 6876 Oil Age hrs Client Info 0 5874 3326 Oil Changed Client Info N/A Changed Changed Sample Status method imit/base current history1 history1 Viron ppm ASTM 05185m >50 <1 30 3 Chromium ppm ASTM 05185m >3 0 0 0 Silver ppm ASTM 05185m >10 2 0 -1 Copper ppm ASTM 05185m >10 0 0 0 Cadmium ppm ASTM 05185m >10 0 0 0 Astmony ppm ASTM 05185m >10 0 0 0 Cadmium	SAMPLE INFORMATION		method	limit/base	current	history1	history2
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Sodium ppm ASTM D5185m 4 15 <1	Silicon	maa	ASTM D5185m	>25	0	0	0
Potassium ppm ASTM D5185m >20 2 1 0 Water % ASTM D6304 >0.05 0.009 0.026 0.003 ppm Water ppm ASTM D6304 >500 97.6 266.1 29.4 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 1619 8723 3389 Particles >6µm ASTM D7647 >1300 293 ▲ 1623 402 Particles >14µm ASTM D7647 >20 18 12 7 Particles >21µm ASTM D7647 >4 4 0 0 Particles >38µm ASTM D7647 >3 0 0 0 Oil Cleanliness ISO 4406 (c) >/17/13 18/15/13 20/18/13 16/12 FLUID DEGRADATION method limit/base current history1 history2	Sodium	ppm	ASTM D5185m		4	15	<1
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Particles >21µm ASTM D7647 >20 18 12 7 Particles >38µm ASTM D7647 >4 4 1 0 Particles >38µm ASTM D7647 >3 0 0 0 Particles >71µm ASTM D7647 >3 0 0 0 Oil Cleanliness ISO 4406 (c) >/17/13 18/15/13 ▲ 20/18/13 16/12 FLUID DEGRADATION method limit/base current history1 history2	Particles >14µm		ASTM D7647	>80	41	43	24
Particles >38µm ASTM D7647 >4 4 1 0 Particles >71µm ASTM D7647 >3 0 0 0 Oil Cleanliness ISO 4406 (c) >/17/13 18/15/13 ▲ 20/18/13 16/12 FLUID DEGRADATION method limit/base current history1 history2	Particles >21um		ASTM D7647	>20	18	12	7
Particles >71µm ASTM D7647 >3 0 0 0 Oil Cleanliness ISO 4406 (c) >/17/13 18/15/13 ▲ 20/18/13 16/12 FLUID DEGRADATION method limit/base current history1 history2	Particles >38um		ASTM D7647	>4	4	1	0
Oil Cleanliness ISO 4406 (c) >/17/13 18/15/13 20/18/13 16/12 FLUID DEGRADATION method limit/base current history1 history2	Particles >71um		ASTM D7647	>3	0	0	0
FLUID DEGRADATION method limit/base current history1 history2	Oil Cleanliness		ISO 4406 (c)	>/17/13	18/15/13	▲ 20/18/13	16/12
	FLUID DEGRADA	TION	method	limit/base	current	historv1	historv2
Acid Number (AN) mg KOH/g ASTM D8045 1.5 A 2.73 6.257 0.87	Acid Number (AN)	ma KOH/a	ASTM D8045	1.5	2.73	6.257	0.87



Water

1.20

OIL ANALYSIS REPORT





VISUAL		methou	IIIIII/Dase	Current	TIStory	TIISTOL A
White Metal	scalar	*Visual	NONE	LIGHT	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46	53.5	▲ 61.9	46.6
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color						



Bottom

