

# **OIL ANALYSIS REPORT**

Machine Id KAESER SFC 55T 4416636 (S/N 1016)

Component Compressor Fluid KAESER SIGMA (OEM) S-460 (--- LTR)

## DIAGNOSIS

#### Recommendation

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

#### Wear

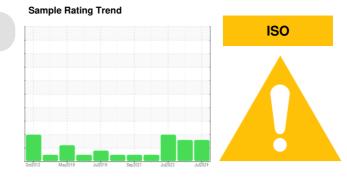
All component wear rates are normal.

## 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.



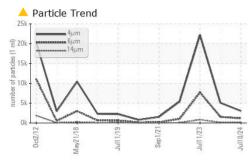
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA020792	KCPA007094	KCPA003364
Sample Date		Client Info		10 Jul 2024	14 Nov 2023	11 Jul 2023
Machine Age	hrs	Client Info		106075	100451	97355
Dil Age	hrs	Client Info		5624	0	0
Oil Changed		Client Info		Changed	N/A	N/A
Sample Status				ABNORMAL	ATTENTION	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>50	0	0	0
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>3	0	0	0
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	0	<1	<1
Aluminum	ppm	ASTM D5185m	>10	0	<1	0
_ead	ppm	ASTM D5185m	>10	0	0	<1
Copper	ppm	ASTM D5185m	>50	10	11	10
Tin	ppm	ASTM D5185m	>10	0	0	0
Antimony	ppm	ASTM D5185m				
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	90	0	0	2
Nolybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m	90	2	0	3
Calcium	ppm	ASTM D5185m	2	0	0	0
Phosphorus	ppm	ASTM D5185m		7	2	0
Zinc	ppm	ASTM D5185m		0	0	1
Sulfur	ppm	ASTM D5185m		19792	16480	20920
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	0	0
Sodium	ppm	ASTM D5185m		2	2	0
Potassium	ppm	ASTM D5185m	>20	<1	0	2
Water	%	ASTM D6304	>0.05	0.010	0.006	0.00
opm Water	ppm	ASTM D6304		101	64	0.00
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		3033	5066	22207
Particles >6µm		ASTM D7647	>1300	1194	<b>1521</b>	▲ 7716
Particles >14µm		ASTM D7647	>80	<u> </u>	114	<u> </u>
Particles >21µm		ASTM D7647	>20	<u> </u>	25	<b>A</b> 236
Particles >38µm		ASTM D7647	>4	<u> </u>	2	<b>1</b> 4
Particles >71µm		ASTM D7647	>3	0	0	1
Oil Cleanliness		ISO 4406 (c)	>/17/13	<b>A</b> 19/17/15	20/18/14	▲ 22/20/17
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN) 29:30) Bev: 1	mg KOH/g	ASTM D8045		0.37 Contact/Location	0.41	0.43

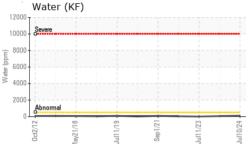
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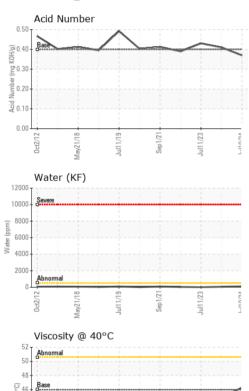
0.37 0.41 0.43Contact/Location: KEVIN BENNETT - STOENG

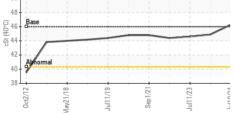


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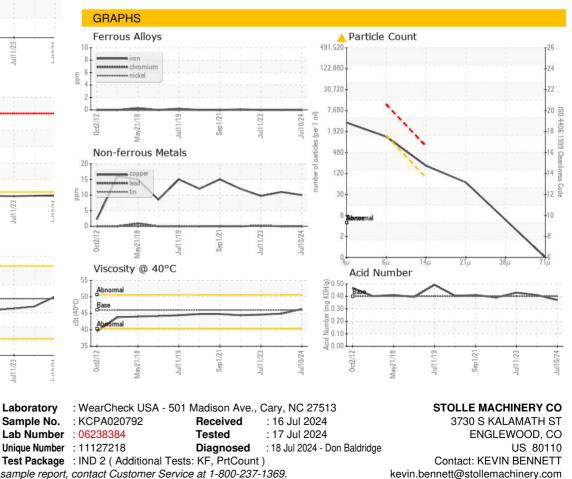






VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	NONE
Sand/Dirt	scalar	*Visual	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 PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46	46.3	44.9	44.6
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color						

Bottom



To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - 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)

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Certificate 12367

Contact/Location: KEVIN BENNETT - STOENG

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