

### **OIL ANALYSIS REPORT**

#### Sample Rating Trend



#### Built for a lifetime.

# KAESER ASD 40 6565860 (S/N 1021)

Compressor

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

#### DIAGNOSIS

#### Recommendation

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.

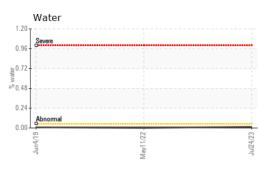
#### **Fluid Condition**

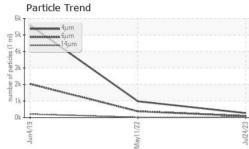
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

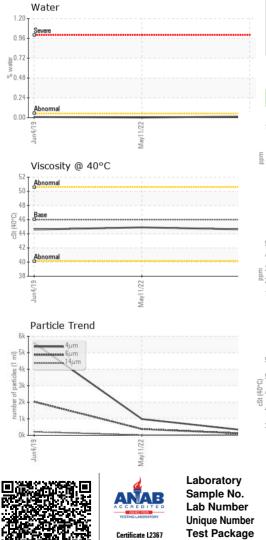
	AATION		11 11 /1			
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KC05934381	KC95368	KC78100
Sample Date		Client Info		24 Jul 2023	11 May 2022	04 Jun 2019
Machine Age	hrs	Client Info		20940	16095	3441
Oil Age	hrs	Client Info		0	8543	3441
Oil Changed		Client Info		N/A	Changed	Changed
Sample Status				NORMAL	ATTENTION	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	0	<1
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>3	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	<1
Aluminum	ppm	ASTM D5185m		0	0	0
Lead	ppm	ASTM D5185m	>10	0	0	<1
		ASTM D5185m		8	▲ 45	4
Copper Tin	ppm	ASTM D5185m		-	45 0	4 <1
	ppm		>10	0		
Antimony	ppm	ASTM D5185m				0
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	0
Molybdenum	ppm	ASTM D5185m		0	0	<1
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m	90	<1	0	6
Calcium	ppm	ASTM D5185m	2	0	0	0
Phosphorus	ppm	ASTM D5185m		1	<1	4
Zinc	ppm	ASTM D5185m		18	0	4
CONTAMINANTS	\$	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	1
Sodium	ppm	ASTM D5185m		0	0	0
Potassium	ppm	ASTM D5185m	>20	<1	<1	<1
Water	%	ASTM D6304	>0.05	0.014	0.002	0.008
ppm Water	ppm	ASTM D6304	>500	143.7	18.4	80
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		271	985	5585
Particles >6µm		ASTM D7647	>1300	92	379	▲ 2036
Particles >14µm		ASTM D7647	>80	19	13	<b>2</b> 09
Particles >21µm		ASTM D7647		5	4	▲ 63
Particles >38µm		ASTM D7647	>4	0	0	4
Particles >71µm		ASTM D7647		0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	15/14/11	17/16/11	▲ 18/15
FLUID DEGRADA		method	limit/base			
				current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	0.33	0.36	0.359



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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	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 PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46	44.6	44.9	44.6
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color					3	

Bottom

