

## **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

# **KAESER 7032922**

### Component Compressor Fluid KAESER SIGMA (OEM) M-460 (--- GAL)

#### 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.

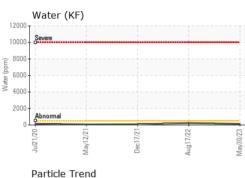
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		KCPA002241	KCP48285	KCP43148	
Sample Date		Client Info		30 May 2023	17 Aug 2022	17 Dec 2021	
Machine Age	hrs	Client Info		12217	9534	7101	
Oil Age	hrs	Client Info		0	2433	2569	
Oil Changed		Client Info		N/A	Changed	Changed	
Sample Status				NORMAL	ATTENTION	NORMAL	
WEAR METALS		method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>50	<1	<1	<1	
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	0	0	
Aluminum	ppm	ASTM D5185m	>10	0	<1	<1	
Lead	ppm	ASTM D5185m	>10	0	0	0	
Copper	ppm	ASTM D5185m		1	2	4	
Tin	ppm	ASTM D5185m	>10	<1	0	0	
Antimony	ppm	ASTM D5185m				0	
Vanadium	ppm	ASTM D5185m		0	0	0	
Cadmium	ppm	ASTM D5185m		0	0	0	
ADDITIVES	le le	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	0	0	2	0	
Barium	ppm	ASTM D5185m	90	0	0	<1	
Molybdenum	ppm	ASTM D5185m	0	0	0	0	
Manganese	ppm	ASTM D5185m	100	<1	0	0	
Magnesium	ppm	ASTM D5185m	100	19	30	27	
Calcium	ppm	ASTM D5185m		0	0	0	
Phosphorus	ppm	ASTM D5185m	0	3	2	2	
Zinc	ppm	ASTM D5185m		7	17	28	
Sulfur	ppm	ASTM D5185m	23500	24013	18765	16915	
CONTAMINANTS		method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>25	0	0	0	
Sodium	ppm	ASTM D5185m		4	10	10	
Potassium	ppm	ASTM D5185m		<1	2	2	
Water	%	ASTM D6304	>0.05	0.013	0.023	0.008	
ppm Water	ppm	ASTM D6304	>500	136.3	237.7	86.1	
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2	
Particles >4µm		ASTM D7647		1001	4210	1527	
Particles >6µm		ASTM D7647	>1300	292	1231	328	
Particles >14µm		ASTM D7647	>80	21	07	25	
Particles >21µm		ASTM D7647	>20	3	22	8	
Particles >38µm		ASTM D7647	>4	1	1	1	
Particles >71µm		ASTM D7647	>3	0	0	0	
Oil Cleanliness		ISO 4406 (c)	>/17/13	17/15/12	9/17/14	16/12	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2	
Acid Number (AN) :45:48) Rev: 1	mg KOH/g	ASTM D8045	1.0 <b>0.43</b> 0.41 0.44 Contact/Location: MICHAEL BOWLES - NAWSTI				

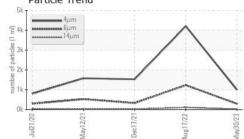
Report Id: NAWSTI [WUSCAR] 05870984 (Generated: 05/30/2024 06:45:48) Rev: 1

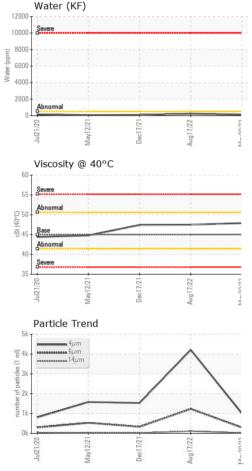
Contact/Location: MICHAEL BOWLES - NAWSTI



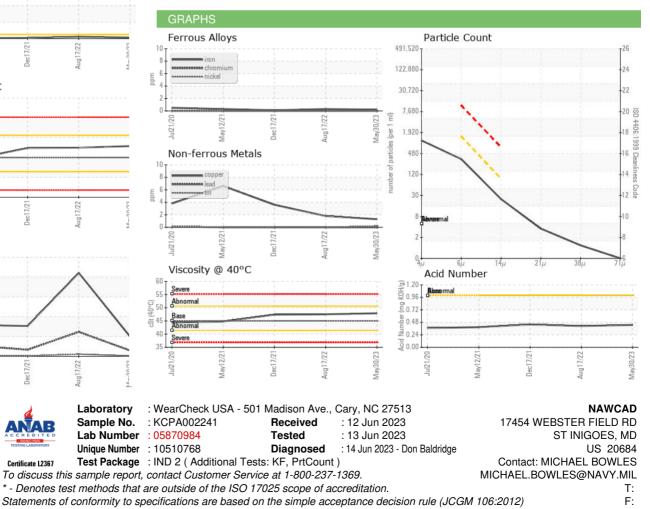
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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*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 PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	45	47.9	47.5	47.4
SAMPLE IMAGES	3	method	limit/base	current	history1	history2
Color						
Bottom						



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