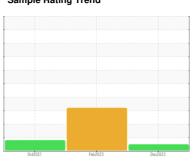


# **OIL ANALYSIS REPORT**

Sample Rating Trend



NORMAL



6899924 (S/N 1074)

Component

Compressor

KAESER SIGMA (OEM) M-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.

		0c	2021	Feb 2023 Dec202	3	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA009828	KCP55966	KCP11848
Sample Date		Client Info		22 Dec 2023	19 Feb 2023	06 Oct 2021
Machine Age	hrs	Client Info		18704	16380	10613
Oil Age	hrs	Client Info		0	2000	2200
Oil Changed		Client Info		N/A	Changed	Changed
Sample Status				NORMAL	ABNORMAL	ATTENTION
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	3	1	0
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m	>3	1	0	0
Titanium	ppm	ASTM D5185m	>3	<1	0	0
Silver	ppm	ASTM D5185m	>2	0	0	<1
Aluminum	ppm	ASTM D5185m	>10	2	0	1
Lead	ppm	ASTM D5185m	>10	<1	0	<1
Copper	ppm	ASTM D5185m	>50	8	7	32
Tin	ppm	ASTM D5185m	>10	<1	0	0
Antimony	ppm	ASTM D5185m				0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	<1
Barium	ppm	ASTM D5185m	90	0	0	0
Molybdenum	ppm	ASTM D5185m	0	<1	0	0
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m	100	27	9	<1
Calcium	ppm	ASTM D5185m	0	<1	0	0
Phosphorus	ppm	ASTM D5185m	0	23	5	3
Zinc	ppm	ASTM D5185m	0	47	15	0
Sulfur	ppm	ASTM D5185m	23500	27776	19672	17300
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	2	2	14
Sodium	ppm	ASTM D5185m		10	<1	0
Potassium	ppm	ASTM D5185m	>20	2	2	<1
Water	%	ASTM D6304	>0.05	0.010	<b>△</b> 0.108	0.005
ppm Water	ppm	ASTM D6304	>500	103	<u>▲</u> 1083.4	53.7
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		2930	7441	3518
Particles >6µm		ASTM D7647	>1300	743	<b>2262</b>	1108
Particles >14µm		ASTM D7647	>80	65	<b>118</b>	<b>▲</b> 115
Particles >21μm		ASTM D7647	>20	18	<b>2</b> 6	<b>2</b> 4
Particles >38µm		ASTM D7647	>4	1	2	1
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	19/17/13	▲ 20/18/14	<b>▲</b> 17/14
FLUID DEGRADA	TION	method	limit/base	current	history1	history2



## **OIL ANALYSIS REPORT**

