

OIL ANALYSIS REPORT

KAESER AIRTOWER 7.5C 6693916 (S/N 1925)

Compressor

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

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

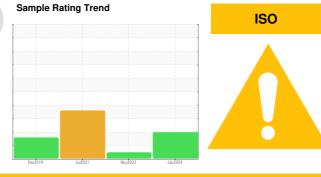
All component wear rates are normal.

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	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCP41514	KCP53361	KCP41517
Sample Date		Client Info		12 Jan 2024	30 Nov 2022	28 Jul 2021
Machine Age	hrs	Client Info		7095	4905	3735
Oil Age	hrs	Client Info		2500	1170	2300
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	NORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1	<1	1
Chromium	ppm	ASTM D5185m	>10	0	<1	<1
Nickel	ppm	ASTM D5185m	>3	<1	<1	1
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	<1
Aluminum	ppm	ASTM D5185m	>10	1	<1	0
Lead	ppm	ASTM D5185m	>10	0	0	<1
Copper	ppm	ASTM D5185m	>50	16	14	28
Tin	ppm	ASTM D5185m	>10	0	<1	<1
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	<1
Barium	ppm	ASTM D5185m	90	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m	100	13	16	7
Calcium	ppm	ASTM D5185m	0	0	0	0
Phosphorus	ppm	ASTM D5185m	0	11	38	4
Zinc	ppm	ASTM D5185m	0	2	28	2
Sulfur	ppm	ASTM D5185m	23500	19451	22242	16314
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	<1
Sodium	ppm	ASTM D5185m		3	7	<1
Potassium	ppm	ASTM D5185m	>20	<1	0	<1
Water	%	ASTM D6304	>0.05	0.010	0.010	0.388
ppm Water	ppm	ASTM D6304	>500	104	106.9	▲ 3880
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		23239	4182	
Particles >6µm		ASTM D7647	>1300	<u> </u>	1267	
Particles >14µm		ASTM D7647	>80	<u> </u>	52	
Particles >21µm		ASTM D7647	>20	<u> </u>	9	
Particles >38µm		ASTM D7647	>4	<u> </u>	1	
Particles >71µm		ASTM D7647	>3	1	0	
Oil Cleanliness		ISO 4406 (c)	>/17/13	A 22/20/17	19/17/13	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2

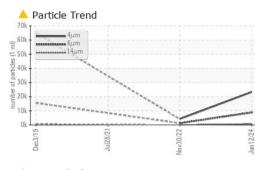
Acid Number (AN) n Report Id: MARGREENNC [WUSCAR] 06062007 (Generated: 01/18/2024 13:24:28) Rev: 1

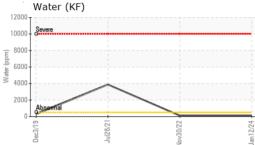
mg KOH/g ASTM D8045 1.0

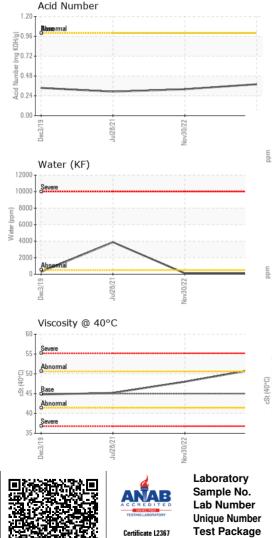
0.38 0.32 0.290 Contact/Location: Service Manager - MARGREENNC



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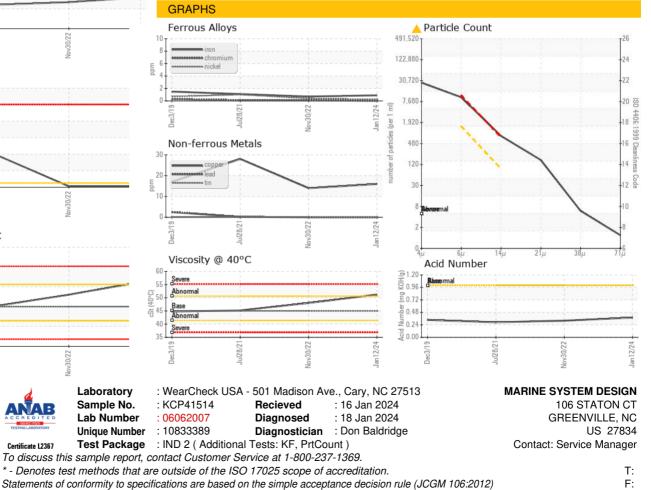


VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	🔺 MODER
Sand/Dirt	scalar	*Visual	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	▲ 1.0
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	45	51.2	48.0	45.2
SAMPLE IMAGES	3	method	limit/base	current	history1	history2
Color						





DOLL



Contact/Location: Service Manager - MARGREENNC