

OIL ANALYSIS REPORT

KAESER SM 15 AC 5063193 (S/N 1337)

Compressor

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

DIAGNOSIS

Recommendation

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

Wear

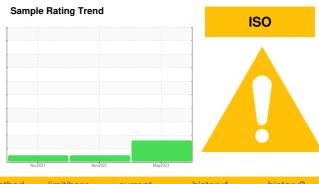
All component wear rates are normal.

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.



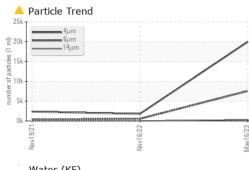
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KC110578	KC107650	KC97503
Sample Date		Client Info		16 May 2023	16 Nov 2022	19 Nov 2021
Machine Age	hrs	Client Info		10297	9069	7596
Oil Age	hrs	Client Info		1200	1500	1970
Oil Changed		Client Info		Not Changd	Changed	Changed
Sample Status				ABNORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1	<1	0
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m	>3	0	<1	0
Titanium	ppm	ASTM D5185m	>3	<1	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>10	0	<1	0
Lead	ppm	ASTM D5185m	>10	- <1	0	0
Copper	ppm	ASTM D5185m	>50	2	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		<1	0	0
ADDITIVES	le le	method	limit/base			
				current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	<1
Barium	ppm	ASTM D5185m	90	44	26	0
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	100	86	83	53
Calcium	ppm	ASTM D5185m	0	5	1	0
Phosphorus	ppm	ASTM D5185m	0	3	8	0
Zinc	ppm	ASTM D5185m	0	0	7	3
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	10	14	10
Sodium	ppm	ASTM D5185m		47	15	12
Potassium				17	15	12
	ppm	ASTM D5185m	>20	4	2	0
Water	ppm %	ASTM D5185m	>20 >0.05			
Water ppm Water		ASTM D5185m		4	2	0
	% ppm	ASTM D5185m ASTM D6304	>0.05	4 0.022	2 0.022	0 0.022
ppm Water	% ppm	ASTM D5185m ASTM D6304 ASTM D6304	>0.05 >500	4 0.022 222.0	2 0.022 221.0	0 0.022 222.0
ppm Water FLUID CLEANLIN	% ppm	ASTM D5185m ASTM D6304 ASTM D6304 method	>0.05 >500	4 0.022 222.0 current	2 0.022 221.0 history1	0 0.022 222.0 history2
ppm Water FLUID CLEANLIN Particles >4µm	% ppm	ASTM D5185m ASTM D6304 ASTM D6304 method ASTM D7647	>0.05 >500 limit/base	4 0.022 222.0 current 19962	2 0.022 221.0 history1 1781	0 0.022 222.0 history2 2354
ppm Water FLUID CLEANLIN Particles >4µm Particles >6µm	% ppm	ASTM D5185m ASTM D6304 ASTM D6304 Method ASTM D7647 ASTM D7647	>0.05 >500 limit/base >1300	4 0.022 222.0 current 19962 ▲ 7560	2 0.022 221.0 history1 1781 541	0 0.022 222.0 history2 2354 358
ppm Water FLUID CLEANLIN Particles >4μm Particles >6μm Particles >14μm	% ppm	ASTM D5185m ASTM D6304 ASTM D6304 Method ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>0.05 >500 limit/base >1300 >80	4 0.022 222.0 current 19962 ▲ 7560 ▲ 277	2 0.022 221.0 history1 1781 541 11	0 0.022 222.0 history2 2354 358 17
ppm Water FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm Particles >21µm	% ppm	ASTM D5185m ASTM D6304 ASTM D6304 Method ASTM D7647 ASTM D7647 ASTM D7647	>0.05 >500 limit/base >1300 >80 >20	4 0.022 222.0	2 0.022 221.0 history1 1781 541 11 3	0 0.022 222.0 history2 2354 358 17 5
ppm Water FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm Particles >21µm Particles >38µm	% ppm	ASTM D5185m ASTM D6304 ASTM D6304 Method ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>0.05 >500 limit/base >1300 >80 >20 >4	4 0.022 222.0 current 19962 A 7560 277 64 2	2 0.022 221.0 history1 1781 541 11 3 0	0 0.022 222.0 history2 2354 358 17 5 0
ppm Water FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm Particles >21µm Particles >38µm Particles >71µm	% ppm ESS	ASTM D5185m ASTM D6304 ASTM D6304 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>0.05 >500 limit/base >1300 >80 >20 >4 >3	4 0.022 222.0 current 19962 A 7560 A 277 A 64 2 2 0	2 0.022 221.0 history1 1781 541 11 3 0 0 0	0 0.022 222.0 history2 2354 358 17 5 0 0

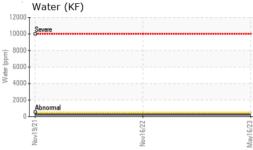
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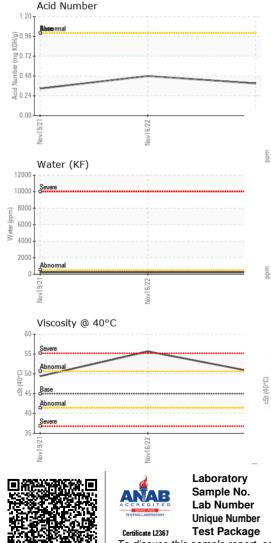
Contact/Location: SERVICE MANAGER ? - SGSMONKC



OIL ANALYSIS REPORT

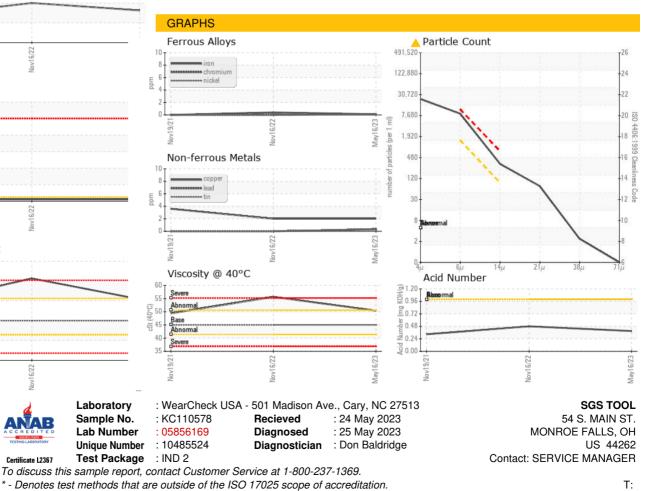






VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	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	50.4	55.64	49.4
SAMPLE IMAGES	6	method	limit/base	current	history1	history2
Color						

Bottom



Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Contact/Location: SERVICE MANAGER ? - SGSMONKC

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