

## **OIL ANALYSIS REPORT**

### Machine Id KAESER SM15 6508510 (S/N 1058)

Component Compressor Fluid 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

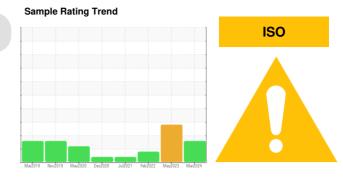
All component wear rates are normal.

#### 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.



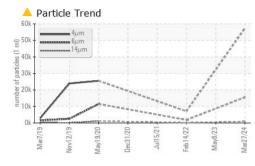
hrs hrs ppm ppm ppm ppm ppm ppm ppm ppm	Client Info Client Info Client Info Client Info Client Info Client Info ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>3	KCPA016887 27 Mar 2024 15296 2316 Changed ABNORMAL current <1 <1	KCPA001722 08 May 2023 12980 0 N/A ABNORMAL history1 <1	KC97143 14 Feb 2022 9885 3000 Changed ATTENTION history2 <1
hrs ppm ppm ppm ppm ppm ppm	Client Info Client Info Client Info Astm D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>50 >10 >3	15296 2316 Changed ABNORMAL current <1	12980 0 N/A ABNORMAL history1 <1	9885 3000 Changed ATTENTION history2
hrs ppm ppm ppm ppm ppm ppm	Client Info Client Info Method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>50 >10 >3	2316 Changed ABNORMAL current <1	0 N/A ABNORMAL history1 <1	3000 Changed ATTENTION history2
ppm ppm ppm ppm ppm	Client Info method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>50 >10 >3	Changed ABNORMAL current <1	N/A ABNORMAL history1 <1	Changed ATTENTION history2
ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>50 >10 >3	ABNORMAL current <1	ABNORMAL history1 <1	ATTENTION history2
ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>50 >10 >3	current <1	history1 <1	ATTENTION history2
ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>50 >10 >3	<1	<1	
ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>10 >3			<1
ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	>3			
ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	>3	< 1	0	0
ppm ppm ppm	ASTM D5185m ASTM D5185m		<1	0	0
ppm ppm	ASTM D5185m		<1	0	0
ppm		>2	0	0	0
		>10	2	0	<1
Phill	ASTM D5185m	>10	2 <1	0	0
nnm	ASTM D5185m		2	9	7
ppm				9	0
ppm		>10	1		
ppm	ASTM D5185m				0
					0
ppm	ASTM D5185m		<1	0	0
	method	limit/base	current	history1	history2
ppm	ASTM D5185m	0	0	0	<1
ppm	ASTM D5185m	90	84	40	0
ppm	ASTM D5185m	0	<1	0	0
ppm	ASTM D5185m		<1	0	0
ppm	ASTM D5185m	100	84	46	36
ppm	ASTM D5185m	0	6	5	0
ppm	ASTM D5185m	0	0	3	6
ppm	ASTM D5185m	0	0	11	10
ppm	ASTM D5185m	23500	24048	18945	16069
	method	limit/base	current	history1	history2
ppm	ASTM D5185m	>25	<1	<1	<1
ppm	ASTM D5185m		2	1	18
		>20	2	1	0
			0.035		0.011
ppm	ASTM D6304	>500	356	▲ 2970	116.3
ESS	method	limit/base	current	history1	history2
	ASTM D7647		57361		7091
		>1300			1842
					136
					19
					2
					0
					18/14
	( )				-
		limit/base	current 0.42	history1	history2
	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ppmASTM D5185mppmASTM D7647ASTM D7647ASTM D7647ISO 4406 (c)TIONTIONmethod	ppm     ASTM D5185m     Iimit/base       ppm     ASTM D5185m     0       ppm     ASTM D5185m     90       ppm     ASTM D5185m     90       ppm     ASTM D5185m     0       ppm     ASTM D5185m     0       ppm     ASTM D5185m     100       ppm     ASTM D5185m     0       ppm     ASTM D5185m     0       ppm     ASTM D5185m     0       ppm     ASTM D5185m     0       ppm     ASTM D5185m     23500       method     limit/base       ppm     ASTM D5185m     >225       ppm     ASTM D5185m     >20       %     ASTM D5185m     >20       %     ASTM D5185m     >20       %     ASTM D6304     >0.05       ppm     ASTM D6304     >500       ESS     method     limit/base       ASTM D7647     >1300     ASTM D7647       ASTM D7647     >20     ASTM D7647       ASTM D7647     >3     ISO 4406	ppm     ASTM D5185m     <1       rmethod     limit/base     current       ppm     ASTM D5185m     0     0       ppm     ASTM D5185m     90     84       ppm     ASTM D5185m     0     <1	ppm   ASTM D5185m    <1   O     ppm   ASTM D5185m   0   0   0     ppm   ASTM D5185m   90   84   40     ppm   ASTM D5185m   90   84   40     ppm   ASTM D5185m   0   <1

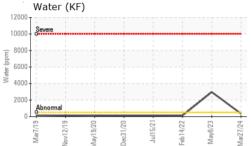
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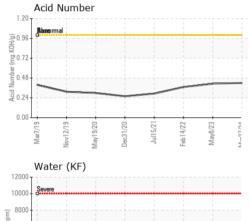
Contact/Location: K WEBB - CORKANKC



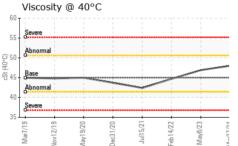
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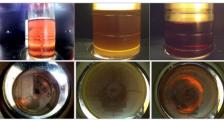




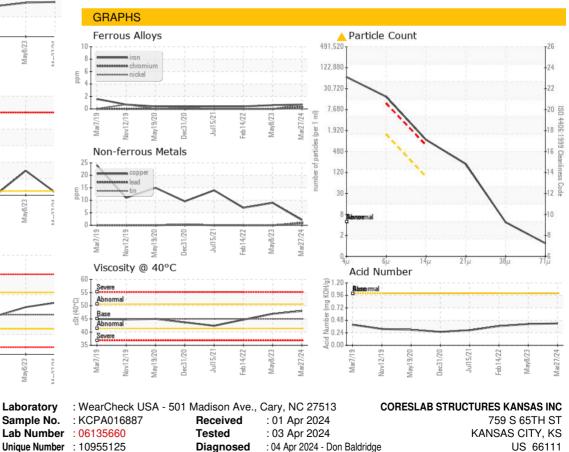


VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	🔺 MODER	NONE
Debris	scalar	*Visual	NONE	NONE	🔺 MODER	NONE
Sand/Dirt	scalar	*Visual	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	▲ 0.2%	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	45	48.0	46.9	44.7
SAMPLE IMAGES	6	method	limit/base	current	history1	history2

Color



Bottom







Unique Number : 10955125 Test Package : IND 2 (Additional Tests: KF, PrtCount)

- Diagnosed
- To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

US 66111 Contact: K WEBB kwebb@coreslab.com T: F:

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