

## **OIL ANALYSIS REPORT**

Sample Rating Trend



### Machine Id KAESER SM 15T 6155593 (S/N 1218)

Component Compressor

Fluid KAESER SIGMA (OEM) S-460 (--- GAL)

#### 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 no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

#### Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

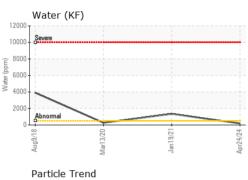
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA015317	KCP27813	KCP18228
Sample Date		Client Info		24 Apr 2024	19 Jan 2021	13 Mar 2020
Machine Age	hrs	Client Info		11702	10279	9638
Oil Age	hrs	Client Info		0	698	2468
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Sample Status				NORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	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	<1
Aluminum	ppm	ASTM D5185m	>10	0	0	<1
Lead	ppm	ASTM D5185m	>10	0	<1	0
Copper	ppm	ASTM D5185m	>50	4	5	4
Tin	ppm	ASTM D5185m	>10	<1	0	0
Antimony	ppm	ASTM D5185m			0	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	<1	31
Barium	ppm	ASTM D5185m	90	1	2	23
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m	90	49	42	61
Calcium	ppm	ASTM D5185m	2	0	1	2
Phosphorus	ppm	ASTM D5185m		0	6	<1
Zinc	ppm	ASTM D5185m		15	2	7
Sulfur	ppm	ASTM D5185m		22630	17224	15757
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	<1	<1
Sodium	ppm	ASTM D5185m		16	0	23
Potassium	ppm	ASTM D5185m	>20	<1	2	2
Water	%	ASTM D6304	>0.05	0.018	<b>0</b> .135	0.026
ppm Water	ppm	ASTM D6304		187	<b>1</b> 350	267.3
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		1197		
Particles >6µm		ASTM D7647	>1300	243		
Particles >14µm		ASTM D7647	>80	15		
Particles >21µm		ASTM D7647	>20	5		
Particles >38µm		ASTM D7647	>4	1		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>/17/13	17/15/11		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	0.34	0.324	0.379

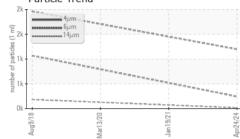
Report Id: BOSCHA [WUSCAR] 06176133 (Generated: 05/14/2024 14:25:55) Rev: 1

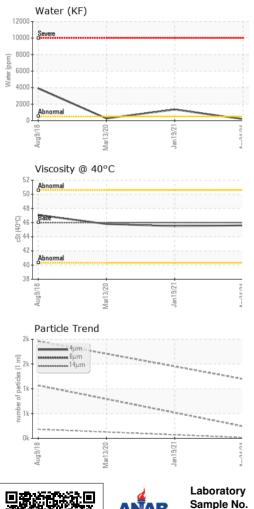
Contact/Location: Service Manager - BOSCHA



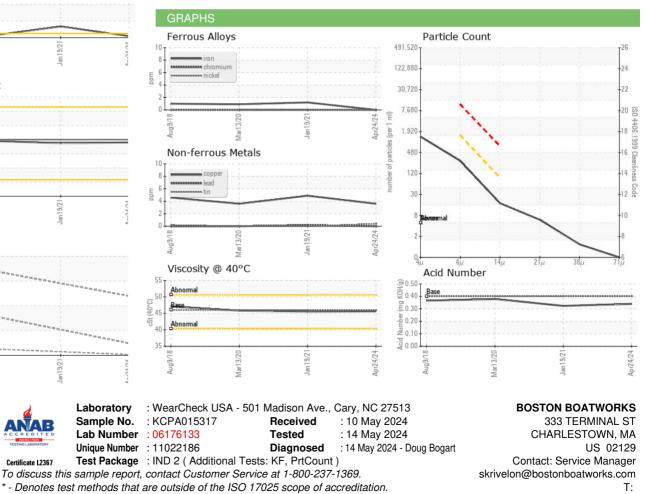
# **OIL ANALYSIS REPORT**







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	🔺 MODER	🔺 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	▲ 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	46	45.6	45.5	45.8
SAMPLE IMAGES	;	method	limit/base	current	history1	history2
Color						
Bottom						



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

Report Id: BOSCHA [WUSCAR] 06176133 (Generated: 05/14/2024 14:25:56) Rev: 1

Certificate 12367

Contact/Location: Service Manager - BOSCHA

F: