

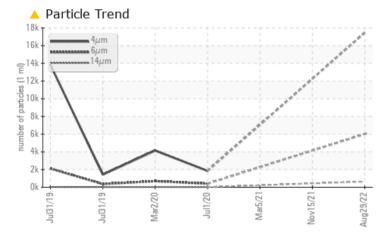
## **PROBLEM SUMMARY**

# KAESER BSD 60T 6421616 (S/N 1237)

Compressor

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

## COMPONENT CONDITION SUMMARY



## 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.

PROBLEMATIC TEST RESULTS							
Sample Status			ABNORMAL	ABNORMAL	ABNORMAL		
Particles >6µm	ASTM D7647	>1300	<u> </u>				
Particles >14µm	ASTM D7647	>80	🔺 641				
Particles >21µm	ASTM D7647	>20	🔺 185				
Particles >38µm	ASTM D7647	>4	<u> </u>				
Oil Cleanliness	ISO 4406 (c)	>/17/13	<b>21/20/17</b>				

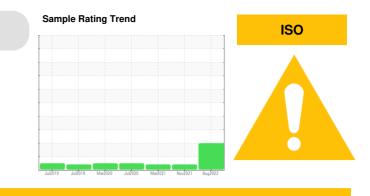
Customer Id: MMICHATN Sample No.: KCP28502 Lab Number: 05631290 Test Package: IND 2



To manage this report scan the QR code

*To discuss the diagnosis or test data:* Don Baldridge +1 <u>don.b505@comcast.net</u>

*To change component or sample information:* Customer Service +1 1-800-237-1369 <u>customerservice@wearcheck.com</u>



There are no recommended actions for this sample.

## **HISTORICAL DIAGNOSIS**

## 15 Nov 2021 Diag: Angela Borella



Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

## 05 Mar 2021 Diag: Angela Borella



01 Jul 2020 Diag: Angela Borella

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



view report





Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





## **OIL ANALYSIS REPORT**

Built for a lifetime.

## Machine Id KAESER BSD 60T 6421616 (S/N 1237) Component

Compressor Fluid

KAESER SIGMA (OEM) S-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

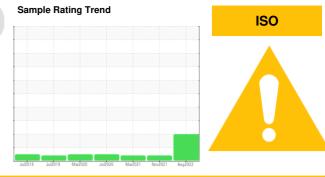
All component wear rates are normal.

## 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	<b>MATION</b>	method	limit/base	current	history 1	history 2
Sample Number				KCP28502	KCP43977	KCP28190
Sample Date				29 Aug 2022	15 Nov 2021	05 Mar 2021
Machine Age	hrs			14341	10411	7469
Oil Age	hrs			3930	5943	3065
Oil Changed				Not Changd	Changed	Not Changd
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185m	>50	0	0	0
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	<1	<1	<1
Aluminum	ppm	ASTM D5185m	>10	<1	2	<1
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>50	13	14	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	history 1	history 2
Boron	ppm	ASTM D5185m		0	0	10
Barium	ppm	ASTM D5185m	90	2	0	0
Molybdenum	ppm	ASTM D5185m	00	0	0	0
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m	90	14	11	29
Calcium	ppm	ASTM D5185m		0	0	0
Phosphorus	ppm	ASTM D5185m		0	0	1
Zinc	ppm	ASTM D5185m		18	32	20
Sulfur	ppm	ASTM D5185m		16266	16246	14141
CONTAMINANTS		method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>25	0	0	0
Sodium	ppm	ASTM D5185m	00	5	6	8
Potassium	ppm	ASTM D5185m		5	2	5
Water	%	ASTM D6304		0.016	0.016	0.012
ppm Water	ppm	ASTM D6304		161.6	160.9	124.2
FLUID CLEANLIN	IESS	method	limit/base	current	history 1	history 2
Particles >4µm		ASTM D7647	1000	17462		
Particles >6µm		ASTM D7647		▲ 6012		
Particles >14µm		ASTM D7647	>80	<b>▲</b> 641		
Particles >21µm		ASTM D7647		<u> </u>		
Particles >38µm		ASTM D7647	>4	<b>▲</b> 7		
Particles >71µm		ASTM D7647		0		
Oil Cleanliness		ISO 4406 (c)	>/17/13	<b>1/20/17</b>		
FLUID DEGRADA	TION	method	limit/base	current	history 1	history 2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	0.32	0.353	0.378
	0 0					

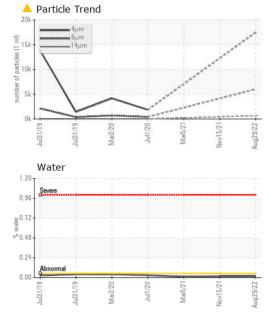
Acid Number (AN) Report Id: MMICHATN [WUSCAR] 05631290 (Generated: 09/01/2022 14:59:23)

Contact/Location: Service Manager - MMICHATN

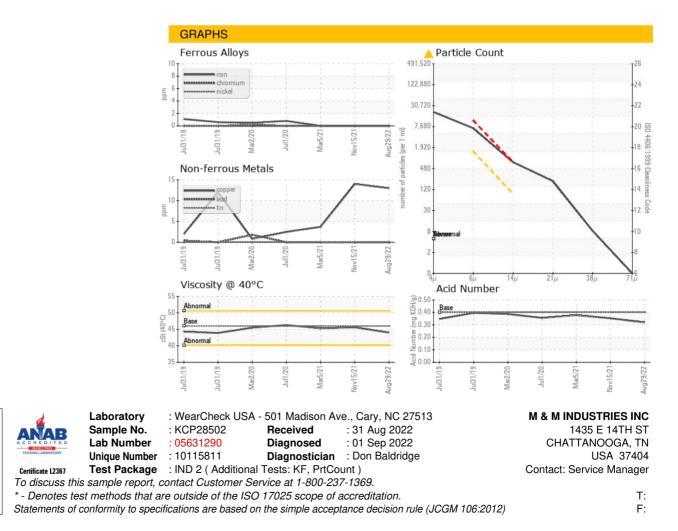


## Built for a lifetime.

## **OIL ANALYSIS REPORT**



VISUAL		method	limit/base	current	history 1	history 2
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	LIGHT	🔺 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	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	TIES	method	limit/base	current	history 1	history 2
Visc @ 40°C	cSt	ASTM D445	46	44.0	45.6	45.3
SAMPLE IMAGE	S	method	limit/base	current	history 1	history 2
Color						
Bottom				$(\mathbf{G})$	6	



Contact/Location: Service Manager - MMICHATN