

PROBLEM SUMMARY

KAESER BSD 50 8254753 (S/N 1280)

Compressor

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

COMPONENT CONDITION SUMMARY



RECOMMENDATION

The filter change at the time of sampling has been noted. We were unable to perform a particle count due to a high concentration of particles present in this sample. We advise that you stop the unit and follow the water drain-off procedure for this component. We recommend an early resample in 500 hours to monitor this condition.

PROBLEMATIC TEST RESULTS Sample Status ABNORMAL % Water ASTM D6304 >0.05 0.139 ppm Water ASTM D6304 >500 1390 ppm Debris NONE scalar *Visual MODER **Emulsified Water** scalar *Visual >0.05 **0.2%** Free Water scalar *Visual **1.0**

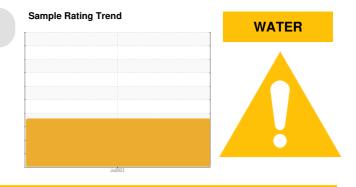
Customer Id: REHCUL Sample No.: KCPA004421 Lab Number: 05924328 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Don Baldridge +1 don.b505@comcast.net

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



RECOMMENDED ACTIONS							
Action	Status	Date	Done By	Description			
Alert			?	We were unable to perform a particle count due to a high concentration of particles present in this sample.			

HISTORICAL DIAGNOSIS



Sample Rating Trend

WATER



Machine Id KAESER BSD 50 8254753 (S/N 1280)

Compressor Fluid

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

DIAGNOSIS

Recommendation

The filter change at the time of sampling has been noted. We were unable to perform a particle count due to a high concentration of particles present in this sample. We advise that you stop the unit and follow the water drain-off procedure for this component. We recommend an early resample in 500 hours to monitor this condition.

Wear

All component wear rates are normal.

Contamination

Moderate concentration of visible dirt/debris present in the oil. There is a light concentration of water present in the oil. Free water present.

Fluid Condition

The AN level is acceptable for this fluid.

				Jul2023		
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA004421		
Sample Date		Client Info		19 Jul 2023		
Machine Age	hrs	Client Info		3256		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1		
Chromium	ppm	ASTM D5185m	>10	0		
Nickel	ppm	ASTM D5185m	>3	0		
Titanium	ppm	ASTM D5185m	>3	0		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>10	2		
Lead	ppm	ASTM D5185m	>10	0		
Copper	ppm	ASTM D5185m	>50	8		
Tin	ppm	ASTM D5185m	>10	0		
Vanadium	ppm	ASTM D5185m		0		
		ACTM DE10Em		•		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES	рртт	method	limit/base	current	 history1	history2
	ppm		limit/base			
ADDITIVES		method	limit/base 90	current	history1	history2
ADDITIVES Boron	ppm	method ASTM D5185m		current 0	history1	history2
ADDITIVES Boron Barium	ppm ppm	method ASTM D5185m ASTM D5185m		current 0 0	history1 	history2
ADDITIVES Boron Barium Molybdenum	ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m		Current O O O	history1 	history2
ADDITIVES Boron Barium Molybdenum Manganese	ppm ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	90	Current 0 0 0 <1	history1	history2
ADDITIVES Boron Barium Molybdenum Manganese Magnesium	ppm ppm ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	90 90	current 0 0 0	history1 	history2
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium	ppm ppm ppm ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	90 90	0 0 0 0 1 <1 0	history1	history2
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm ppm ppm ppm	Method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	90 90	Current 0 0 0 <1 <1 <1 0 3	history1	history2
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	90 90	Current 0 0 0 <1 <1 <1 0 3 14	history1	history2
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	90 90 2	Current 0 0 0 <1 <1 <1 0 3 14 20567	history1	history2
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS	ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	90 90 2 limit/base	Current 0 0 <1 <1 <1 0 3 14 20567 Current	history1 history1	history2 history2
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon	ppm ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	90 90 2 limit/base	current 0 0 0 <1	history1 history1	history2 history2
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium	ppm ppm ppm ppm ppm ppm ppm ppm ppm	Method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m	90 90 2 limit/base >25	current 0 0 0 <1	history1 history1	history2 history2
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium	ppm ppm ppm ppm ppm ppm ppm ppm ppm	methodASTM D5185mASTM D5185m	90 90 2 limit/base >25 >20	Current 0 0 0 <1 0 3 14 20567 current <1 <1 <1 <1 <1 <1 <1 <1 <1	history1	history2
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium Water	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185m ASTM D5185m	90 90 2 2 <u>limit/base</u> >25 >20 >0.05	Current 0 0 0 <1	history1 history1	history2



OIL ANALYSIS REPORT

method

limit/base

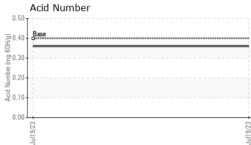
current

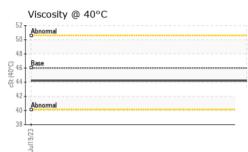
historv1

historv2

VISUAL







cziginu cziginu	Debris Sand/Dirt Appearance Odor Emulsified Water Free Water FLUID PROPERTI	scalar scalar scalar scalar scalar scalar scalar scalar scalar scalar	*Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual Method ASTM D445	NONE NONE NONE NONE NORML NORML >0.05 Imit/base	44.2	 history1 history1	 history2 history2
c2/61/nL	Precipitate Silt Debris Sand/Dirt Appearance Odor Emulsified Water Free Water FLUID PROPERTI Visc @ 40°C SAMPLE IMAGES	scalar scalar scalar scalar scalar scalar scalar scalar scalar scalar	*Visual *Visual *Visual *Visual *Visual *Visual *Visual Method	NONE NONE NONE NORML NORML >0.05 Iimit/base 46	NONE NONE NORML NORML 0.2% 1.0 current 44.2	 history1	 history2
ESQEIIuL	Silt Debris Sand/Dirt Appearance Odor Emulsified Water Free Water FLUID PROPERTI Visc @ 40°C SAMPLE IMAGES	scalar scalar scalar scalar scalar scalar scalar scalar Scalar	*Visual *Visual *Visual *Visual *Visual *Visual method ASTM D445	NONE NONE NONE NORML NORML >0.05 Iimit/base 46	NONE MODER NORML NORML ▲ 0.2% ▲ 1.0 current 44.2	 history1	 history2
EZGLIP	Debris Sand/Dirt Appearance Odor Emulsified Water Free Water FLUID PROPERTI Visc @ 40°C SAMPLE IMAGES	scalar scalar scalar scalar scalar scalar ES cSt	*Visual *Visual *Visual *Visual *Visual method ASTM D445	NONE NORML NORML >0.05 Iimit/base 46	 MODER NORML NORML 0.2% 1.0 current 44.2 	 history1	 history2
czietini,	Sand/Dirt Appearance Odor Emulsified Water Free Water FLUID PROPERTI Visc @ 40°C SAMPLE IMAGES	scalar scalar scalar scalar scalar scalar ES cSt	*Visual *Visual *Visual *Visual *Visual method ASTM D445	NONE NORML NORML >0.05 Iimit/base 46	NONE NORML NORML ▲ 0.2% ▲ 1.0 Current 44.2	 history1	 history2
E2/GUIP	Appearance Odor Emulsified Water Free Water FLUID PROPERTI Visc @ 40°C SAMPLE IMAGES	scalar scalar scalar scalar scalar Scalar Scalar	*Visual *Visual *Visual *Visual method ASTM D445	NORML >0.05 limit/base 46	NORML NORML	 history1	 history2
EZ/GIIPO	Odor Emulsified Water Free Water FLUID PROPERTI Visc @ 40°C SAMPLE IMAGES	scalar scalar scalar ES cSt	*Visual *Visual *Visual method ASTM D445	NORML >0.05 limit/base 46	NORML ▲ 0.2% ▲ 1.0 current 44.2	 history1	 history2
EZ/GIIPO	Emulsified Water Free Water FLUID PROPERTI Visc @ 40°C SAMPLE IMAGES	scalar scalar ES cSt	*Visual *Visual method ASTM D445	>0.05 limit/base 46	 0.2% 1.0 current 44.2 	 history1	 history2
2/GUIP	Free Water FLUID PROPERTI Visc @ 40°C SAMPLE IMAGES	scalar ES cSt	*Visual method ASTM D445	limit/base 46	 1.0 current 44.2 	 history1 	 history2
czagine	FLUID PROPERTI Visc @ 40°C SAMPLE IMAGES	ES cSt	method ASTM D445	46	current 44.2	history1	history2
E2(e1)uL	Visc @ 40°C SAMPLE IMAGES	cSt	ASTM D445	46	44.2		
E2(e1)uL	Visc @ 40°C SAMPLE IMAGES	cSt	ASTM D445	46	44.2		
		i	method	limit/base	current	history1	history2
						,	
-						no image	no image
	Bottom					no image	no image
 Ed	Non-ferrous Metals	;		Juli 9/23 8			
5 (3-0) (4-0) (5-0) (1-0	Viscosity @ 40°C			0.000000000000000000000000000000000000	Acid Number		
Laboratory : Sample No. : Lab Number : Unique Number :	: WearCheck USA - 50 : KCPA004421 R : 05924328 D : 10604275 D	leceived Diagnose Diagnosti	:14 / d :16 / cian :Don	Jul19/23	Jul19/23		TRIAL DR SV CULLMAN, AI US 3505
tilicate 12367 Test Package : discuss this sample report, cou Denotes test methods that are tements of conformity to specific	outside of the ISO 17	ce at 1-80	00-237-1369				NDON WARE rd@rehau.con T:

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

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