

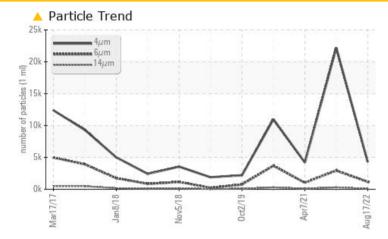
PROBLEM SUMMARY

KAESER BSD 50T 5365460 (S/N 1178)

Compressor

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

COMPONENT CONDITION SUMMARY



RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS							
Sample Status			ATTENTION	ABNORMAL	ATTENTION		
Particles >14µm	ASTM D7647	>80	<u> </u>	A 305	9 3		
Oil Cleanliness	ISO 4406 (c)	>/17/13	/ 19/17/14	1 9/15	🔺 17/14		

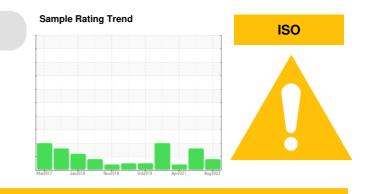
Customer Id: SHALOU Sample No.: KCP48118 Lab Number: 05628973 Test Package: IND 2



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 customerservice@wearcheck.com



RECOMMENDED ACTIONS						
Action	Status	Date	Done By	Description		
Change Fluid			?	Oil and filter change at the time of sampling has been noted.		
Change Filter			?	Oil and filter change at the time of sampling has been noted.		

HISTORICAL DIAGNOSIS



17 Dec 2021 Diag: Doug Bogart

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



view report

07 Apr 2021 Diag: Angela Borella



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. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

03 Jun 2020 Diag: Angela Borella



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. There is a high amount of particulates present 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 50T 5365460 (S/N 1178) Component

Compressor

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

DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

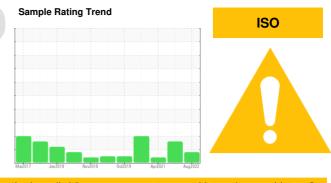
All component wear rates are normal.

Contamination

There is a moderate 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	ATION	method	limit/base	current	history 1	history 2
Sample Number				KCP48118	KCP39595	KCP35964
Sample Date				17 Aug 2022	17 Dec 2021	07 Apr 2021
Machine Age	hrs			50178	44455	38518
Oil Age	hrs			5724	6000	7100
Oil Changed				Changed	Changed	Changed
Sample Status				ATTENTION	ABNORMAL	ATTENTION
WEAR METALS		method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185m	>50	<1	2	<1
Chromium	ppm	ASTM D5185m		0	0	0
Nickel	ppm		>3	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>2	0	<1	0
Aluminum	ppm	ASTM D5185m		ء <1	<1	0
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m		6	7	4
Tin	ppm	ASTM D5185m	>10	0	<1	4
Antimony	ppm	ASTM D5185m	210		<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
				0	0	0
Cadmium	ppm	ASTM D5185m		U		
ADDITIVES		method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m		0	20	<1
Barium	ppm		90	<1	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m	90	7	7	5
Calcium	ppm	ASTM D5185m	2	0	0	0
Phosphorus	ppm	ASTM D5185m		1	1	1
Zinc	ppm	ASTM D5185m		24	50	8
Sulfur	ppm	ASTM D5185m		16273	14533	15970
CONTAMINANTS		method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>25	0	<1	<1
Sodium	ppm	ASTM D5185m		4	4	3
Potassium	ppm	ASTM D5185m	>20	0	<1	<1
Water	%	ASTM D6304	>0.05	0.008	0.004	0.011
ppm Water	ppm	ASTM D6304	>500	86.5	47.7	112.1
FLUID CLEANLIN	IESS	method	limit/base	current	history 1	history 2
Particles >4µm		ASTM D7647		4290	22185	4205
Particles >6µm		ASTM D7647	>1300	1159	A 2927	1027
Particles >14µm		ASTM D7647	>80	<u> </u>	A 305	9 3
Particles >21µm		ASTM D7647	>20	19	<u> </u>	28
Particles >38µm		ASTM D7647	>4	0	6	2
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	1 9/17/14	1 9/15	▲ 17/14
FLUID DEGRADA	TION	method	limit/base	current	history 1	history 2
Acid Number (AN)				0.41	0.527	0.419

Acid Number (AN)

mg KOH/g ASTM D8045 0.4

0.41 0.527 0.419

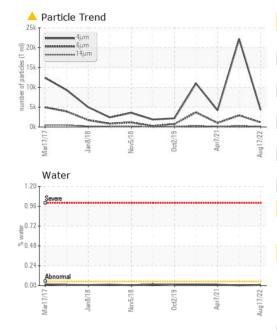
Report Id: SHALOU [WUSCAR] 05628973 (Generated: 08/31/2022 09:58:32)

Contact/Location: SERVICE MANAGER ? - SHALOU

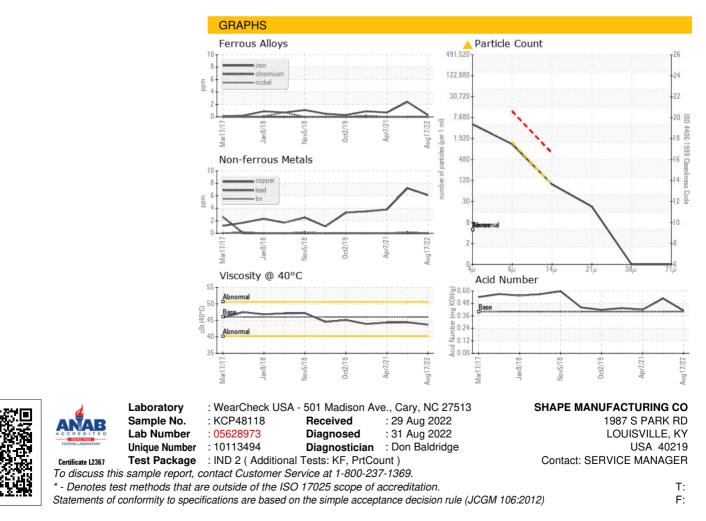


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OIL ANALYSIS REPORT



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	NONE	NONE	LIGHT
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	history 1	history 2
Visc @ 40°C	cSt	ASTM D445	46	43.7	44.4	44.3
SAMPLE IMAGES	6	method	limit/base	current	history 1	history 2
Color						
Bottom				\bigcirc		



Contact/Location: SERVICE MANAGER ? - SHALOU