

PROBLEM SUMMARY

Sample Rating Trend

ISO

Machine Id

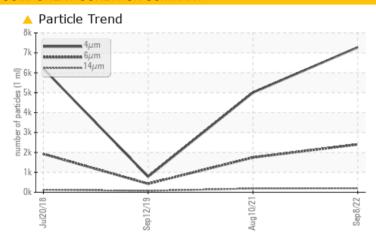
KAESER SK 15 3897973 (S/N 1344)

Component

Compressor

KAESER SIGMA (OEM) M-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			ABNORMAL	ABNORMAL	ABNORMAL		
Particles >6µm	ASTM D7647	>1300	2404	<u>▲</u> 1747	426		
Particles >14μm	ASTM D7647	>80	197	▲ 189	72		
Particles >21µm	ASTM D7647	>20	<u>^</u> 27	<u>^</u> 52	24		
Oil Cleanliness	ISO 4406 (c)	>/17/13	20/18/15	<u> </u>	16/13		

Customer Id: COBMAROH Sample No.: KCP50369 Lab Number: 05648929 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Jonathan Hester +1 919-379-4092 x4092 jhester@wearcheckusa.com

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

10 Aug 2021 Diag: Don Baldridge





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. 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.



12 Sep 2019 Diag: Don Baldridge

WATER



Oil and filter change at the time of sampling has been noted. We recommend an early resample in 500 hours to monitor this condition. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. There is a light concentration of water present in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid.

view report

20 Jul 2018 Diag: Angela Borella

ISO



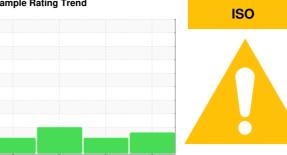
Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





OIL ANALYSIS REPORT

Sample Rating Trend



KAESER SK 15 3897973 (S/N 1344)

Compressor

KAESER SIGMA (OEM) M-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 high amount of particulates present in the oil.

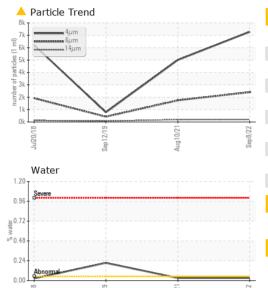
Fluid Condition

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

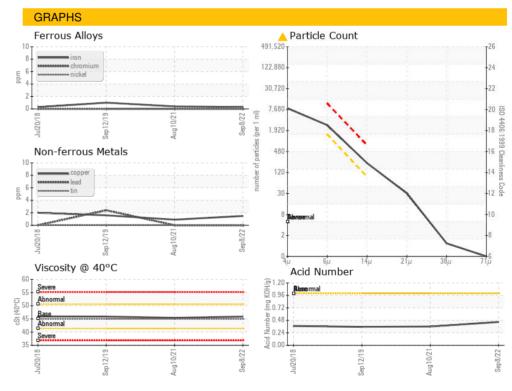
		Jul2011	3 Sep2019	Aug2021 S	ep 2022	
SAMPLE INFORM	MATION	method	limit/base	current	history 1	history 2
Sample Number				KCP50369	KCP41562	KCP23703
Sample Date				08 Sep 2022	10 Aug 2021	12 Sep 2019
Machine Age	hrs			36862	33260	27631
Oil Age	hrs			3602	2915	3284
Oil Changed				Changed	Changed	Changed
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185m	>50	<1	<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	0
Aluminum	ppm	ASTM D5185m	>10	0	0	<1
Lead	ppm	ASTM D5185m	>10	0	0	2
Copper	ppm	ASTM D5185m	>50	2	<1	2
Tin	ppm	ASTM D5185m	>10	0	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	<1	<1
Barium	ppm	ASTM D5185m	90	0	<1	1
Molybdenum	ppm	ASTM D5185m	0	0	<1	<1
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m	100	64	80	55
Calcium	ppm	ASTM D5185m	0	0	7	0
Phosphorus	ppm	ASTM D5185m	0	11	12	2
Zinc	ppm	ASTM D5185m	0	1	0	5
Sulfur	ppm	ASTM D5185m	23500	21528	17869	16691
CONTAMINANTS	3	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>25	<1	0	1
Sodium	ppm	ASTM D5185m		13	5	13
Potassium	ppm	ASTM D5185m	>20	1	<1	9
Water	%	ASTM D6304	>0.05	0.030	0.030	△ 0.214
ppm Water	ppm	ASTM D6304	>500	309.3	303.1	<u>^</u> 2140
FLUID CLEANLIN	IESS	method	limit/base	current	history 1	history 2
Particles >4µm		ASTM D7647		7279	5005	782
Particles >6µm		ASTM D7647	>1300	<u>4</u> 2404	<u>▲</u> 1747	426
Particles >14μm		ASTM D7647	>80	<u> </u>	<u> </u>	72
Particles >21μm		ASTM D7647	>20	<u> </u>	▲ 52	24
Particles >38μm		ASTM D7647	>4	1	3	3
Particles >71μm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	<u>^</u> 20/18/15	▲ 18/15	16/13
FLUID DEGRADA	ATION	method	limit/base	current	history 1	history 2



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	LIGHT	▲ 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	0.2%
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history 1	history 2
Visc @ 40°C	cSt	ASTM D445	45	45.9	45.4	45.9
SAMPLE IMAGES	3	method	limit/base	current	history 1	history 2
Color						
Bottom						







Unique Number : 10143468

Laboratory Sample No. Lab Number

: KCP50369 : 05648929

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Received Diagnosed

: 22 Sep 2022 : 26 Sep 2022

Diagnostician : Jonathan Hester

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

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)

COBB AUTO SALES

1305 PIKE STREET MARIETTA, OH USA 45750

Contact: Service Manager