

PROBLEM SUMMARY

Sample Rating Trend

WEAR

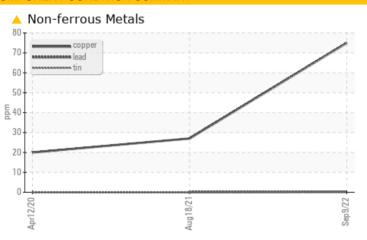
^{Machine Id} **2785056 (S/N 3164)**

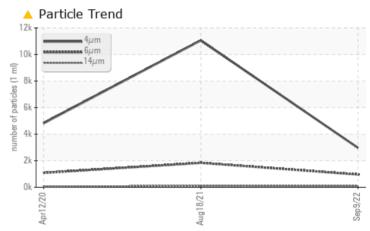
Component

Compressor

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

COMPONENT CONDITION SUMMARY





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.

PROBLEMATIC TEST RESULTS								
Sample Status				ABNORMAL	ATTENTION	ABNORMAL		
Copper	ppm	ASTM D5185m	>50	^ 75	27	20		
Particles >14μm		ASTM D7647	>80	4 95	1 09	58		
Oil Cleanliness		ISO 4406 (c)	>/17/13	19/17/14	<u></u> 18/14	17/13		

Customer Id: BLUCARKCP Sample No.: KCP46151 Lab Number: 05639127 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

18 Aug 2021 Diag: Jonathan Hester





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.



12 Apr 2020 Diag: Doug Bogart

ISO



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.





OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



2785056 (S/N 3164)

Component

Compressor

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

DIAGNOSIS

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

The copper level is abnormal. All other component wear rates are normal.

Contamination

There is a moderate amount of particulates present in the oil.

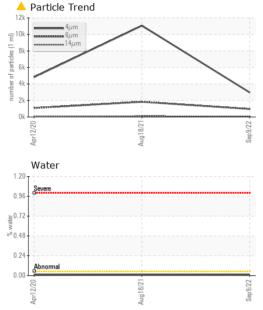
Fluid Condition

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

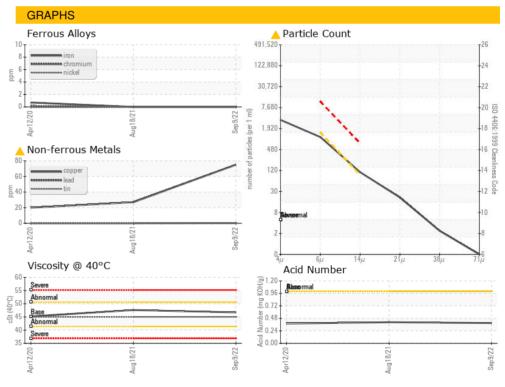
		Ap	r2020	Aug2021 Sep20	122		
SAMPLE INFORM	MATION	method	limit/base	current	history 1	history 2	
Sample Number				KCP46151	KCP41633	KCP25186	
Sample Date				09 Sep 2022	18 Aug 2021	12 Apr 2020	
Machine Age	hrs			35514	27947	18762	
Oil Age	hrs			7567	9185	0	
Oil Changed				Changed	Changed	Changed	
Sample Status				ABNORMAL	ATTENTION	ABNORMAL	
WEAR METALS		method	limit/base	current	history 1	history 2	
Iron	ppm	ASTM D5185m	>50	0	0	<1	
Chromium	ppm	ASTM D5185m	>10	0	0	0	
Nickel	ppm	ASTM D5185m	>3	0	0	<1	
Titanium	ppm	ASTM D5185m	>3	0	0	0	
Silver	ppm	ASTM D5185m	>2	<1	<1	0	
Aluminum	ppm	ASTM D5185m	>10	<1	0	<1	
Lead	ppm	ASTM D5185m	>10	<1	0	0	
Copper	ppm	ASTM D5185m	>50	<u>^</u> 75	27	20	
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	<1	0	
Barium	ppm	ASTM D5185m	90	<1	0	2	
Molybdenum	ppm	ASTM D5185m	0	0	0	0	
Manganese	ppm	ASTM D5185m		0	0	0	
Magnesium	ppm	ASTM D5185m	100	<1	0	15	
Calcium	ppm	ASTM D5185m	0	0	0	<1	
Phosphorus	ppm	ASTM D5185m	0	11	4	<1	
Zinc	ppm	ASTM D5185m	0	21	0	12	
Sulfur	ppm	ASTM D5185m	23500	17491	16301	18187	
CONTAMINANTS	3	method	limit/base	current	history 1	history 2	
Silicon	ppm	ASTM D5185m	>25	2	2	1	
Sodium	ppm	ASTM D5185m		<1	0	1	
Potassium	ppm	ASTM D5185m	>20	0	0	3	
Water	%	ASTM D6304		0.008	0.008	0.009	
opm Water	ppm	ASTM D6304	>500	86.0	82.3	98.9	
FLUID CLEANLIN	IESS	method	limit/base	current	history 1	history 2	
Particles >4µm		ASTM D7647		2970	11061	4823	
Particles >6µm		ASTM D7647	>1300	964	<u>▲</u> 1838	1085	
Particles >14µm		ASTM D7647	>80	<u>^</u> 95	<u> </u>	58	
Particles >21µm		ASTM D7647	>20	18	▲ 36	<u>^</u> 23	
Particles >38µm		ASTM D7647	>4	2	3	<u> </u>	
Particles >71µm		ASTM D7647		0	0	<u></u> 8	
Oil Cleanliness		ISO 4406 (c)	>/17/13	<u> </u>	<u>▲</u> 18/14	17/13	
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
				NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE			
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	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	TES	method	limit/base	current	history 1	history 2
Visc @ 40°C	cSt	ASTM D445	45	46.7	47.6	45.2
SAMPLE IMAGES		method	limit/base	current	history 1	history 2
Color						
Bottom						







Unique Number : 10128657

Laboratory Sample No. Lab Number

: KCP46151 : 05639127

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

: 12 Sep 2022 Diagnosed

: 14 Sep 2022 Diagnostician : Jonathan Hester 260 JAMES JACKSON AVE

USA 27513 Contact: Service Manager

BLUR DEVELOPMENT

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)

CARY, NC

T:

F: