

PROBLEM SUMMARY

Sample Rating Trend

ISO

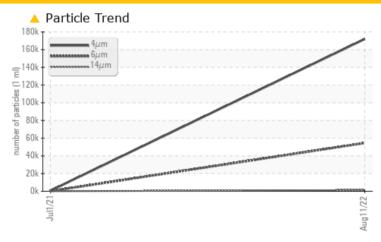
5767730 (S/N 1314)

Component

Compressor

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

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	NORMAL					
Particles >6µm	ASTM D7647	>1300	<u> </u>	134					
Particles >14μm	ASTM D7647	>80	1417	10					
Particles >21µm	ASTM D7647	>20	<u>^</u> 90	2					
Oil Cleanliness	ISO 4406 (c)	>/17/13	25/23/18	14/10					

Customer Id: GMAOAK Sample No.: KCP51983 Lab Number: 05618952 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

Action Status Date Done By Description Change Fluid --- ? Oil and filter change at the time of sampling has been noted. Change Filter --- ? We recommend you service the filters on this component.

HISTORICAL DIAGNOSIS

01 Jul 2021 Diag: Don Baldridge

NORMAL



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

Sample Rating Trend

ISO

5767730 (S/N 1314)

Component

Compressor

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

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.

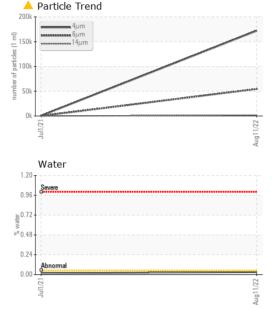
Fluid Condition

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

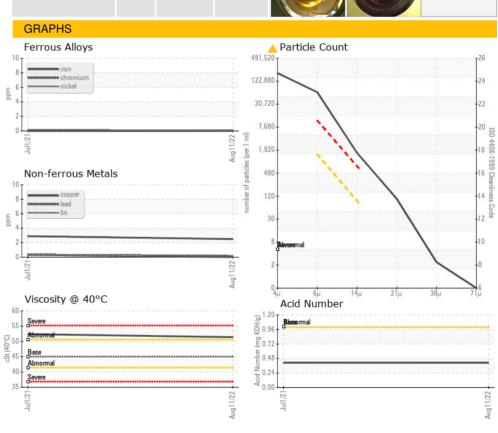
			Jul2021	Aug 2022		
SAMPLE INFORM	AATIONI	method	limit/base		biotom, 1	history O
	MATION	metriod	iimiybase	current	history 1	history 2
Sample Number				KCP51983	KCP33718	
Sample Date				11 Aug 2022	01 Jul 2021	
Machine Age	hrs			23385	18827	
Oil Age	hrs			3000	4000	
Oil Changed				Changed	Changed	
Sample Status				ABNORMAL	NORMAL	
WEAR METALS		method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185m	>50	0	0	
Chromium	ppm	ASTM D5185m	>10	0	0	
Nickel	ppm	ASTM D5185m	>3	0	<1	
Titanium	ppm	ASTM D5185m	>3	0	0	
Silver	ppm	ASTM D5185m	>2	0	<1	
Aluminum	ppm	ASTM D5185m	>10	<1	<1	
Lead	ppm	ASTM D5185m	>10	0	<1	
Copper	ppm	ASTM D5185m	>50	2	3	
Tin	ppm	ASTM D5185m	>10	<1	<1	
Antimony	ppm	ASTM D5185m			0	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m	0	<1	35	
Barium	ppm	ASTM D5185m	90	30	27	
Molybdenum	ppm	ASTM D5185m	0	0	0	
Manganese	ppm	ASTM D5185m		0	0	
Magnesium	ppm	ASTM D5185m	100	72	51	
Calcium	ppm	ASTM D5185m	0	<1	<1	
Phosphorus	ppm	ASTM D5185m	0	<1	14	
Zinc	ppm	ASTM D5185m	0	4	4	
Sulfur	ppm	ASTM D5185m	23500	16945	19686	
CONTAMINANTS	;	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>25	2	6	
Sodium	ppm	ASTM D5185m		5	9	
Potassium	ppm	ASTM D5185m	>20	0	1	
Water	%	ASTM D6304	>0.05	0.029	0.018	
ppm Water	ppm	ASTM D6304	>500	297.6	189.8	
FLUID CLEANLIN	IESS	method	limit/base	current	history 1	history 2
Particles >4µm		ASTM D7647		171976	567	
Particles >6µm		ASTM D7647	>1300	4 54505	134	
Particles >14µm		ASTM D7647	>80	<u> </u>	10	
Particles >21µm		ASTM D7647	>20	<u>^</u> 90	2	
Particles >38µm		ASTM D7647	>4	2	0	
Particles >71µm		ASTM D7647	>3	0	0	
Oil Cleanliness		ISO 4406 (c)	>/17/13	25/23/18	14/10	
FLUID DEGRADA	ATION	method	limit/base	current	history 1	history 2



OIL ANALYSIS REPORT









Laboratory Sample No. Lab Number **Unique Number**

: KCP51983 : 05618952 : 10098459

Bottom

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

Diagnosed

: 18 Aug 2022 Diagnostician : Jonathan Hester

: 16 Aug 2022

OAKLAND, CA USA 94603 Contact: Service Manager

GM ASSICIATES

9824 KITTY LN

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)

T: F:

no image