

PROBLEM SUMMARY

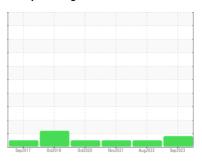
Sample Rating Trend



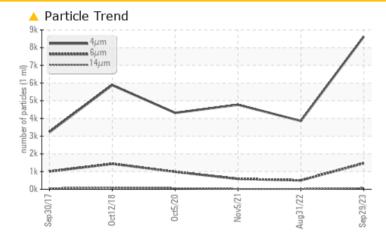
KAESER AIR CENTER SK 20 5344990 (S/N 1659)

Compressor

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



COMPONENT CONDITION SUMMARY



RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

PROBLEMATIC T	ROBLEMATIC TEST RESULTS								
Sample Status			ATTENTION	NORMAL	NORMAL				
Particles >6µm	ASTM D7647	>1300	1470	504	584				
Oil Cleanliness	ISO 4406 (c)	>/17/13	20/18/13	19/16/11	16/11				

Customer Id: MURSUW Sample No.: KCPA000689 Lab Number: 05980406 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

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

31 Aug 2022 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.



05 Nov 2021 Diag: Jonathan Hester

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



05 Oct 2020 Diag: Angela Borella

NORMAL



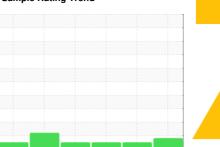
Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable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





OIL ANALYSIS REPORT

Sample Rating Trend



ISO

KAESER AIR CENTER SK 20 5344990 (S/N 1659)

Compressor

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

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

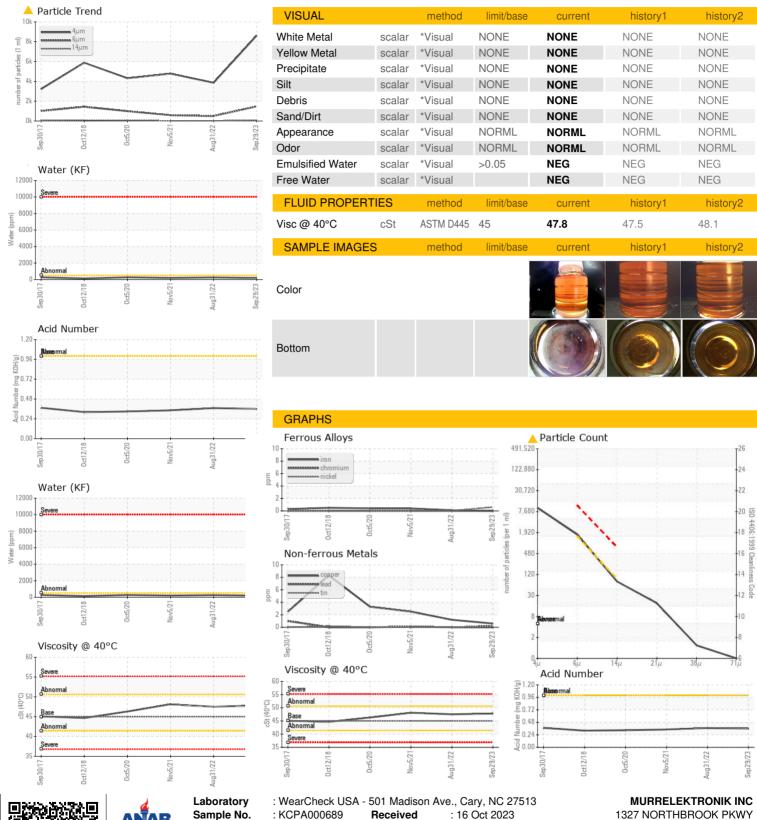
Fluid Condition

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

		Sep 2017	Oct2018 Oct2020	Nov2021 Aug2022	Sep2023	
SAMPLE INFORM	1ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA000689	KCP49336	KCP39782
Sample Date		Client Info		29 Sep 2023	31 Aug 2022	05 Nov 2021
Machine Age	hrs	Client Info		25210	21004	17142
Oil Age	hrs	Client Info		0	3861	3000
Oil Changed		Client Info		N/A	Changed	Changed
Sample Status				ATTENTION	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	<1	<1
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>3	<1	0	0
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	<1	0	<1
Aluminum	ppm	ASTM D5185m	>10	<1	<1	0
Lead	ppm	ASTM D5185m	>10	0	0	<1
Copper	ppm	ASTM D5185m	>50	<1	1	2
Tin	ppm	ASTM D5185m	>10	<1	0	0
Antimony	ppm	ASTM D5185m				0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	0
Barium	ppm	ASTM D5185m	90	11	22	<1
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m	100	83	74	71
Calcium	ppm	ASTM D5185m	0	2	<1	<1
Phosphorus	ppm	ASTM D5185m	0	<1	1	2
Zinc	ppm	ASTM D5185m	0	5	2	0
Sulfur	ppm	ASTM D5185m	23500	22320	19388	17490
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	0	0
Sodium	ppm	ASTM D5185m		14	18	16
Potassium	ppm	ASTM D5185m	>20	3	<1	2
Water	%	ASTM D6304	>0.05	0.019	0.025	0.020
ppm Water	ppm	ASTM D6304	>500	193.4	252.9	203.4
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647		8622	3858	4773
Particles >6µm		ASTM D7647	>1300	1470	504	584
Particles >14µm		ASTM D7647	>80	67	19	18
Particles >21µm		ASTM D7647	>20	16	4	3
Particles >38µm		ASTM D7647	>4	1	0	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	<u>^</u> 20/18/13	19/16/11	16/11
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.36	0.37	0.343



OIL ANALYSIS REPORT





Certificate L2367

Sample No. Lab Number **Unique Number**

: 05980406 : 10697701

: KCPA000689

Received Diagnosed : 18 Oct 2023

Diagnostician : Don Baldridge 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)

1327 NORTHBROOK PKWY SUWANEE, GA US 30024

Contact: D HILL dhill@murrinc.com

T:

F: