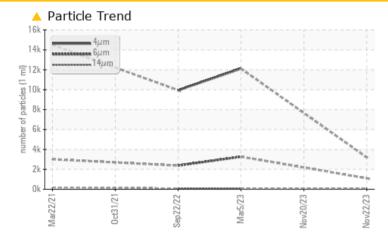




KAESER 4738382

Component Compressor Fluid KAESER SIGMA (OEM) M-460 (--- QTS)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS								
Sample Status			ATTENTION	NORMAL	ABNORMAL			
Particles >14µm	ASTM D7647	>80	<u> </u>		<u> </u>			
Particles >21µm	ASTM D7647	>20	<u> </u>		9			
Oil Cleanliness	ISO 4406 (c)	>/17/13	19/17/14		A 21/19/14			

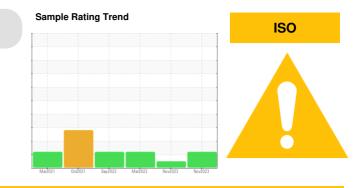
Customer Id: ZERSANCA Sample No.: KCPA011346 Lab Number: 06025729 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Don Baldridge +1 <u>don.b505@comcast.net</u>

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

20 Nov 2023 Diag: Jonathan Hester



The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. We were unable to perform a particle count on this sample.All component wear rates are normal. 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 Mar 2023 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 acceptable for the time in service.



view repor



22 Sep 2022 Diag: Angela Borella

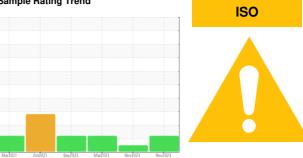
Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





OIL ANALYSIS REPORT

Sample Rating Trend



KAESER 4738382 Component

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

DIAGNOSIS

Machine Id

Recommendation

No corrective action is recommended at this time. The 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

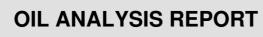
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

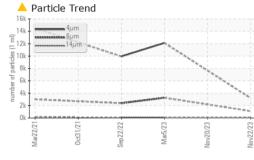
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA011346	KCPA011354	KCP55977
Sample Date		Client Info		22 Nov 2023	20 Nov 2023	05 Mar 2023
Machine Age	hrs	Client Info		58734	58734	52537
Oil Age	hrs	Client Info		0	0	3000
Oil Changed		Client Info		N/A	N/A	Changed
Sample Status				ATTENTION	NORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	0	0
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>3	0	0	0
Titanium	ppm	ASTM D5185m	>3	0	0	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>10	0	0	<1
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m		10	7	5
Tin	ppm	ASTM D5185m	>10	0	0	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	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m	100	0	0	16
Calcium	ppm	ASTM D5185m	0	0	0	0
Phosphorus	ppm	ASTM D5185m	0	2	0	0
Zinc	ppm	ASTM D5185m	0	0	8	12
Sulfur	ppm	ASTM D5185m	23500	18915	18538	17802
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	0	<1
Sodium	ppm	ASTM D5185m		<1	1	5
Potassium	ppm	ASTM D5185m	>20	0	0	0
Water	%	ASTM D6304	>0.05	0.008	0.037	0.008
ppm Water	ppm	ASTM D6304	>500	81	370	88.3
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		3200		12119
Particles >6µm		ASTM D7647	>1300	1102		A 3271
Particles >14µm		ASTM D7647	>80	<mark>/</mark> 90		<u> </u>
Particles >21µm		ASTM D7647	>20	<u> </u>		9
Particles >38µm		ASTM D7647	>4	1		0
Particles >71µm		ASTM D7647	>3	0		0
Oil Cleanliness		ISO 4406 (c)	>/17/13	A 19/17/14		1 21/19/14
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.40	0.35	0.33

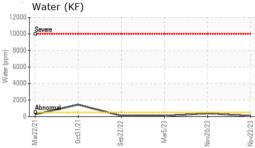
Contact/Location: C. HERNANDEZ - ZERSANCA

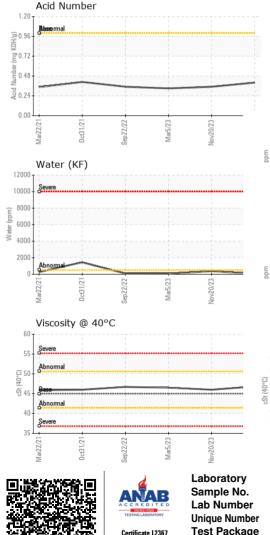
KAESER COMPRESSORS Built for a lifetime."

lifetime:



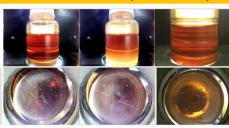






VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	HEAVY	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	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	0.2%	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	TIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	45	46.8	46.0	46.5
SAMPLE IMAGES	S	method	limit/base	current	history1	history2
Color						





Bottom

