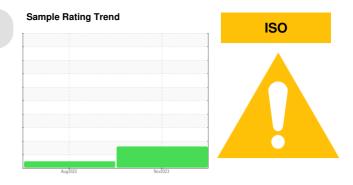


PROBLEM SUMMARY

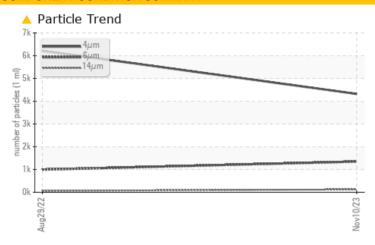
[73387590] Machine Id 2539811 (S/N 1186)

Compressor

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



COMPONENT CONDITION SUMMARY



RECOMMENDATION

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					
Particles >6µm	ASTM D7647	>1300	1349	995					
Particles >14μm	ASTM D7647	>80	123	61					
Particles >21µm	ASTM D7647	>20	<u></u> 31	15					
Oil Cleanliness	ISO 4406 (c)	>/17/13	19/18/14	20/17/13					

Customer Id: ICHFRE Sample No.: KCPA007310 Lab Number: 06017337 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Angela Borella +1 800-237-1369 angela.borella@wearcheckusa.com

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

29 Aug 2022 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.





OIL ANALYSIS REPORT

[73387590] 2539811 (S/N 1186)

Compressor

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

Sample Rating Trend ISO

DIAGNOSIS

Recommendation

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

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

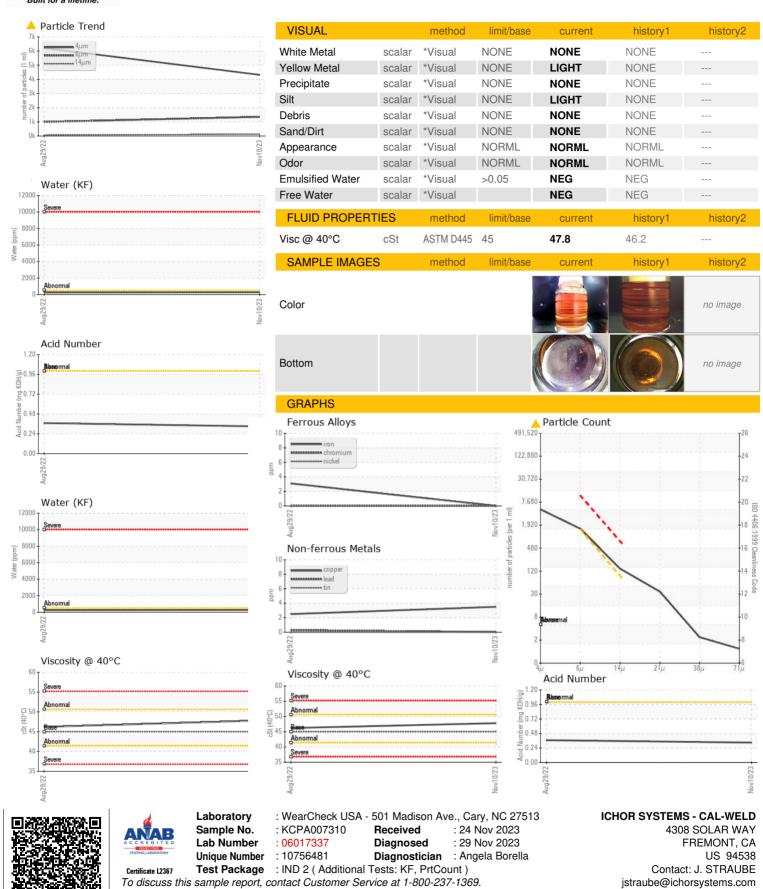
Fluid Condition

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

			Aug2022	Nov2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA007310	KCP33293	
Sample Date		Client Info		10 Nov 2023	29 Aug 2022	
Machine Age	hrs	Client Info		21171	19914	
Oil Age	hrs	Client Info		0	3000	
Oil Changed		Client Info		N/A	Changed	
Sample Status				ATTENTION	NORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	3	
Chromium	ppm	ASTM D5185m	>10	0	0	
Nickel	ppm	ASTM D5185m	>3	0	0	
Titanium	ppm	ASTM D5185m	>3	0	0	
Silver	ppm	ASTM D5185m	>2	0	0	
Aluminum	ppm	ASTM D5185m	>10	0	<1	
Lead	ppm	ASTM D5185m	>10	0	<1	
Copper	ppm	ASTM D5185m	>50	4	2	
Tin	ppm	ASTM D5185m	>10	0	0	
Vanadium	ppm	ASTM D5185m	>10	0	0	
Cadmium	ppm	ASTM D5185m		0	0	
	рріп					
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	
Barium	ppm	ASTM D5185m	90	26	<1	
Molybdenum	ppm	ASTM D5185m	0	0	0	
Manganese	ppm	ASTM D5185m		0	<1	
Magnesium	ppm	ASTM D5185m	100	67	73	
Calcium	ppm	ASTM D5185m	0	<1	2	
Phosphorus	ppm	ASTM D5185m	0	0	1	
Zinc	ppm	ASTM D5185m	0	7	8	
Sulfur	ppm	ASTM D5185m	23500	19495	18719	
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	
Sodium	ppm	ASTM D5185m		23	25	
Potassium	ppm	ASTM D5185m	>20	2	1	
Water	%	ASTM D6304	>0.05	0.027	0.024	
ppm Water	ppm	ASTM D6304	>500	275	249.0	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		4321	6214	
Particles >6µm		ASTM D7647	>1300	1349	995	
Particles >14µm		ASTM D7647	>80	123	61	
Particles >21µm		ASTM D7647		<u> </u>	15	
Particles >38µm		ASTM D7647	>4	2	0	
Particles >71µm		ASTM D7647		1	0	
Oil Cleanliness		ISO 4406 (c)	>/17/13	 ▲ 19/18/14	20/17/13	
FLUID DEGRADA	MOITA	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.33	0.37	



OIL ANALYSIS REPORT



* - 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: