

PROBLEM SUMMARY

Sample Rating Trend

rend ISO

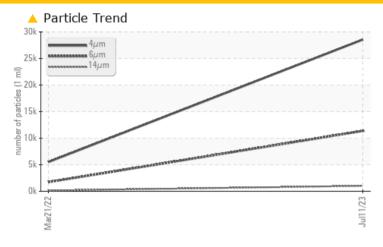
Machine Id **4176972 (S/N 1033)**

Component

Compressor Fluid

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

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			ABNORMAL	ATTENTION						
Particles >6µm	ASTM D7647	>1300	11368	<u>▲</u> 1724						
Particles >14μm	ASTM D7647	>80	1012	<u> </u>						
Particles >21μm	ASTM D7647	>20	253	<u>^</u> 23						
Particles >38μm	ASTM D7647	>4	<u> </u>	0						
Oil Cleanliness	ISO 4406 (c)	>/17/13	<u>^ 22/21/17</u>	<u></u> 18/14						

Customer Id: HALNORCA Sample No.: KCPA005346 Lab Number: 05904396 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

21 Mar 2022 Diag: Don Baldridge

ISO

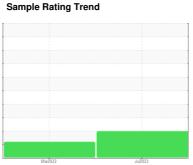


Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





OIL ANALYSIS REPORT



ISO



4176972 (S/N 1033)

Component

Compressor

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

DIAGNOSIS

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 high amount of particulates present in the oil.

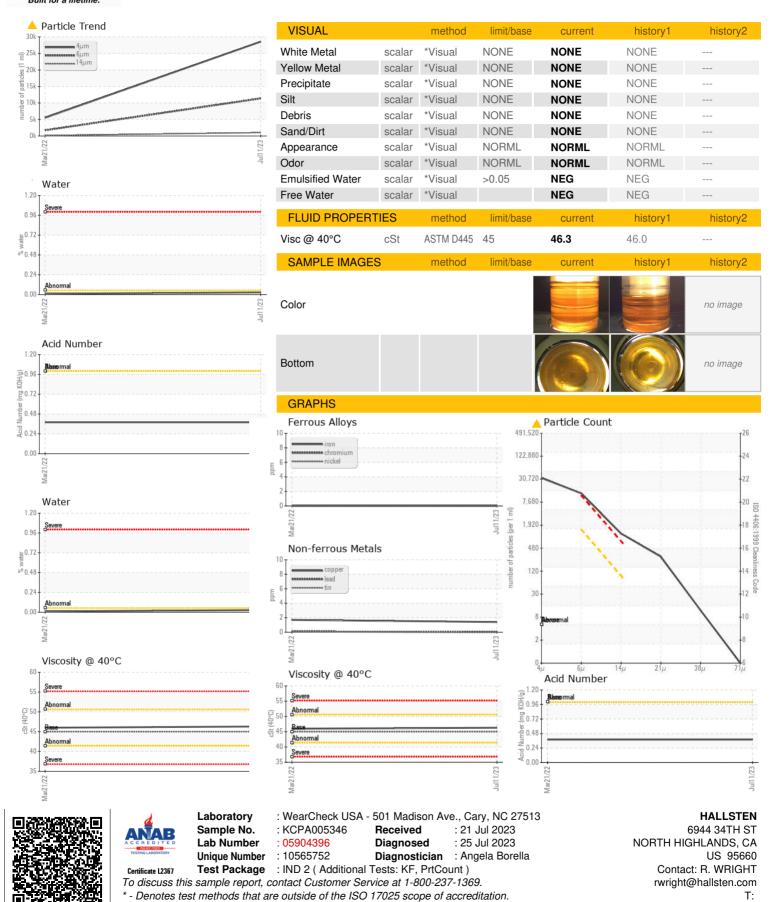
Fluid Condition

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

			Mar2022	Jul2023		
SAMPLE INFORM	<u>ΛΑΤΙΩΝ</u>	method	limit/base	current	history1	history2
07 mm 22 mm 01 m	W C I I O I V		III III Dasc		,	•
Sample Number		Client Info		KCPA005346	KCP41035	
Sample Date	laua	Client Info		11 Jul 2023	21 Mar 2022	
Machine Age	hrs	Client Info		13353	11901	
Oil Age	hrs	Client Info		0 N/A	1723	
Oil Changed Sample Status		Client inio		ABNORMAL	Changed ATTENTION	
Sample Status				ADNONWAL	ATTENTION	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	0	
Chromium	ppm	ASTM D5185m	>10	0	0	
Nickel	ppm	ASTM D5185m	>3	0	0	
Titanium	ppm	ASTM D5185m	>3	<1	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	1	2	
Tin	ppm	ASTM D5185m	>10	0	<1	
Vanadium	ppm	ASTM D5185m		<1	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	
Barium	ppm	ASTM D5185m	90	17	0	
Molybdenum	ppm	ASTM D5185m	0	0	0	
Manganese	ppm	ASTM D5185m		<1	0	
Magnesium	ppm	ASTM D5185m	100	66	61	
Calcium	ppm	ASTM D5185m	0	<1	0	
Phosphorus	ppm	ASTM D5185m	0	6	11	
Zinc	ppm	ASTM D5185m	0	4	1	
Sulfur	ppm	ASTM D5185m	23500	23531	19543	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	6	9	
Sodium	ppm	ASTM D5185m		25	19	
Potassium	ppm	ASTM D5185m	>20	<1	4	
Water	%	ASTM D6304	>0.05	0.026	0.011	
ppm Water	ppm	ASTM D6304	>500	263.8	119.9	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		28554	5507	
Particles >6µm		ASTM D7647	>1300	<u> </u>	<u>▲</u> 1724	
Particles >14µm		ASTM D7647	>80	1012	<u> </u>	
Particles >21µm		ASTM D7647	>20	<u>^</u> 253	<u>^</u> 23	
Particles >38µm		ASTM D7647	>4	<u> </u>	0	
Particles >71μm		ASTM D7647	>3	0	0	
Oil Cleanliness		ISO 4406 (c)	>/17/13	<u>22/21/17</u>	<u>▲</u> 18/14	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.38	0.38	



OIL ANALYSIS REPORT



Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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