

PROBLEM SUMMARY

ISO

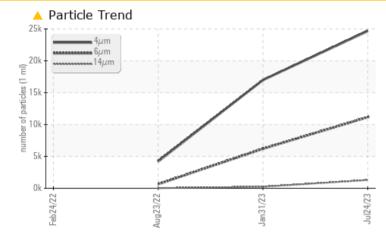
Sample Rating Trend

Machine Ic KAESER ASD 40S 8003251 (S/N 1178) Component

Compressor

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 NORMAL Sample Status ABNORMAL ABNORMAL Particles >6µm ASTM D7647 >1300 **A** 11153 **6199** 646 Particles >14µm ASTM D7647 >80 **1291 2**42 25 4 Particles >21µm ASTM D7647 >20 306 28 Particles >38µm ASTM D7647 >4 **4** 9 0 1 **Oil Cleanliness** ISO 4406 (c) >--/17/13 🔺 22/21/17 🔺 21/20/15 19/17/12

Customer Id: CATWAS Sample No.: KCPA004180 Lab Number: 05938868 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

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

31 Jan 2023 Diag: Don Baldridge



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 high 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.

23 Aug 2022 Diag: Don Baldridge



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





24 Feb 2022 Diag: Don Baldridge



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. We were unable to perform a particle count due to a high concentration of particles present in this sample.All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.





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OIL ANALYSIS REPORT

Machine Id KAESER ASD 40S 8003251 (S/N 1178) Component

Compressor Fluid

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

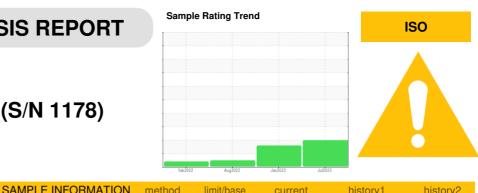
All component wear rates are normal.

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.



SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA004180	KCP49134	KCP28754
Sample Date		Client Info		24 Jul 2023	31 Jan 2023	23 Aug 2022
Machine Age	hrs	Client Info		17272	13100	9242
Oil Age	hrs	Client Info		0	3858	4296
Oil Changed		Client Info		N/A	Changed	Changed
Sample Status				ABNORMAL	ABNORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	<1	<1
Chromium	ppm	ASTM D5185m		0	0	0
Nickel	ppm	ASTM D5185m	>3	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>10	۰ <1	0	2
Lead		ASTM D5185m	>10	0	0	0
	ppm	ASTM D5185m		10	8	15
Copper Tin	ppm	ASTM D5185m	>50 >10	0	0	0
Vanadium	ppm ppm	ASTM D5185m	210	0	0	0
Cadmium		ASTM D5185m		0	0	0
	ppm				-	-
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	<1
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m	100	<1	18	12
Calcium	ppm	ASTM D5185m	0	0	3	0
Phosphorus	ppm	ASTM D5185m	0	<1	32	<1
Zinc	ppm	ASTM D5185m		75	108	104
Sulfur	ppm	ASTM D5185m	23500	21810	22462	16602
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	2	<1
Sodium	ppm	ASTM D5185m		1	1	6
Potassium	ppm	ASTM D5185m	>20	0	2	5
Water	%	ASTM D6304	>0.05	0.008	0.011	0.016
ppm Water	ppm	ASTM D6304	>500	80.6	112.2	163.0
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		24665	16982	4203
Particles >6µm		ASTM D7647	>1300	🔺 11153	<u> </u>	646
Particles >14µm		ASTM D7647	>80	<u> </u>	<u> </u>	25
Particles >21µm		ASTM D7647	>20	<u> </u>	<u> </u>	4
Particles >38µm		ASTM D7647	>4	<u> </u>	0	1
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	<u> </u>	A 21/20/15	19/17/12
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.42	0.47	0.42
	5 0					



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OIL ANALYSIS REPORT

AGES

scalar

scalar

scalar

method

*Visual

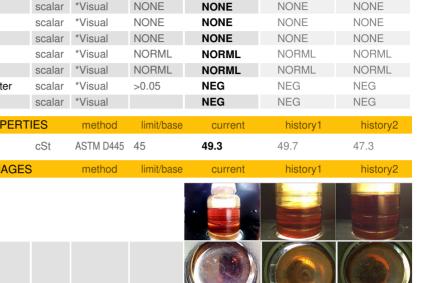
*Visual *Visual limit/base

NONE

NONE

NONE

Particle Trend 25k			VISUAL
Ξ 20k			White Metal
2 μ			Yellow Metal
Ξ 20k Ξ μ Ξ			Precipitate
5 10k			Silt
Ē 5k	- THE OWNER ADDRESS OF THE OWNER	24/28/28/28/	Debris
Ok	ARRENAL STREET	**************************************	Sand/Dirt
-eb24/22	Aug23/22	Jan 31/23 Jul24/23	Appearance
Feb	Aug	Jul	Odor
Water			Emulsified Water
1.20 T			Free Water
0.96 - Severe			FLUID PROPE
a.72-			Visc @ 40°C
e ^e 0.48-			SAMPLE IMAG
0.24 Abnormal			
Feb24/22	Aug23/22	Jan31/23 - Ju124/23 -	Color
Acid Number			



current

NONE

NONE

NONE

history1

NONE

NONE

NONE

history2

NONE

NONE

NONE

Bottom

