

OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id

KAESER 7678559

Component Compressor

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

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

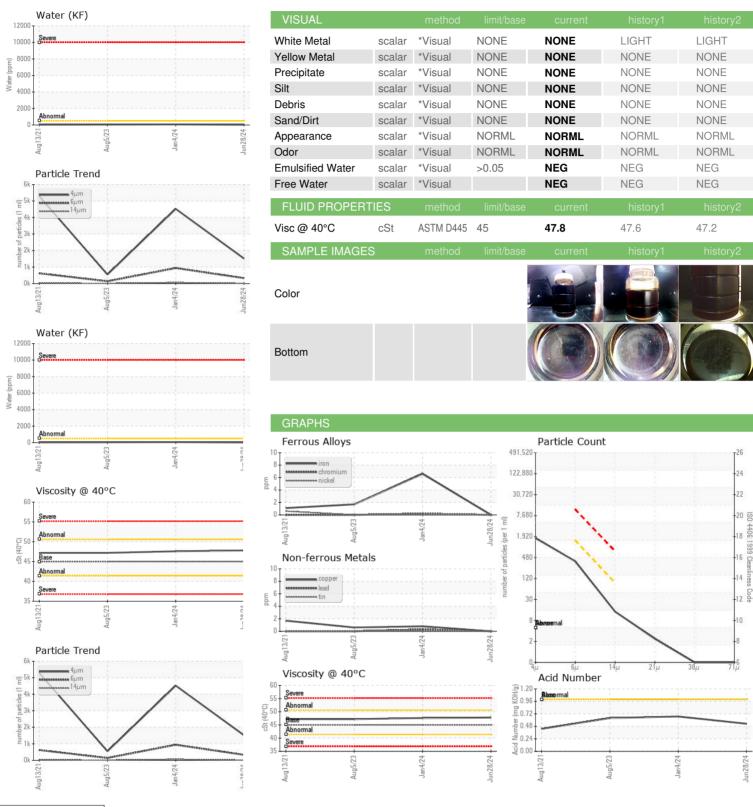
Fluid Condition

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

		Aug202	1 Aug2023	Jan 2024 Ju	2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA008570	KCPA006558	KCPA005949
Sample Date		Client Info		28 Jun 2024	04 Jan 2024	05 Aug 2023
Machine Age	hrs	Client Info		28233	24107	20478
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	7	2
Chromium	ppm	ASTM D5185m	>10	0	<1	0
Nickel	ppm	ASTM D5185m	>3	0	0	0
Titanium	ppm	ASTM D5185m	>3	0	<1	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>10	6	<u> 17</u>	<u> 13</u>
Lead	ppm	ASTM D5185m	>10	0	<1	0
Copper	ppm	ASTM D5185m	>50	0	<1	<1
Tin	ppm	ASTM D5185m	>10	0	0	0
Antimony	ppm	ASTM D5185m	>10			
Vanadium		ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
Caumum	ppm	HICOLCG INLOW		U	U	U
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	0
Barium	ppm	ASTM D5185m	90	0	1	0
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m	100	2	<1	2
Calcium	ppm	ASTM D5185m	0	0	2	<1
Phosphorus	ppm	ASTM D5185m	0	57	298	96
Zinc	ppm	ASTM D5185m	0	6	188	6
Sulfur	ppm	ASTM D5185m	23500	1987	1658	1793
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	0	0
Sodium	ppm	ASTM D5185m		<1	0	<1
Potassium	ppm	ASTM D5185m	>20	0	1	<1
Water	%	ASTM D6304	>0.05	0.002	0.006	0.004
ppm Water	ppm	ASTM D6304	>500	22	68	49.1
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		1516	4519	545
Particles >6µm		ASTM D7647	>1300	329	940	139
Particles >14µm		ASTM D7647	>80	12	59	12
Particles >21µm		ASTM D7647	>20	2	18	3
Particles >38µm		ASTM D7647	>4	0	0	0
Particles >71µm		ASTM D7647		0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	18/16/11	19/17/13	16/14/11
FLUID DEGRADA	TION	method	limit/base	current	history1	history2



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No. Lab Number

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : KCPA008570 : 06233869

Unique Number : 11122703

Received Tested Diagnosed

: 12 Jul 2024 : 13 Jul 2024 - Don Baldridge

: 11 Jul 2024

Test Package : IND 2 (Additional Tests: KF, PrtCount) To discuss this sample report, contact Customer Service at 1-800-237-1369.

 st - 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)

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