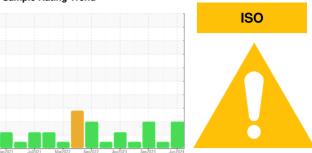


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

4872083 (S/N 1537)

Compressor

KAESER SIGMA (OEM) S-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.

		Jan 2021	Jul2021 Mar2022	Sep2022 Apr2023 Sep2023	Jun2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KC06216862	KC06047781	KC05975748
Sample Date		Client Info		05 Jun 2024	11 Dec 2023	11 Sep 2023
Machine Age	hrs	Client Info		32965	30766	29659
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	NORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1	0	0
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m	>3	<1	0	0
Titanium	ppm	ASTM D5185m	>3	<1	0	0
Silver	ppm	ASTM D5185m	>2	<1	0	0
Aluminum	ppm	ASTM D5185m	>10	3	0	0
Lead	ppm	ASTM D5185m	>10	<1	0	0
Copper	ppm	ASTM D5185m	>50	5	<1	<1
Tin	ppm		>10	<1	0	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m	90	8	0	25
Molybdenum	ppm	ASTM D5185m		<1	0	0
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	90	31	52	86
Calcium	ppm	ASTM D5185m	2	0	0	4
Phosphorus	ppm	ASTM D5185m		5	57	<1
Zinc	ppm	ASTM D5185m		8	0	0
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	0	0
Sodium	ppm	ASTM D5185m		5	19	14
Potassium	ppm	ASTM D5185m	>20	2	4	<1
Water	%	ASTM D6304	>0.05	0.019	0.015	0.022
ppm Water	ppm	ASTM D6304	>500	199	154	222.4
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		7779	5214	12077
Particles >6µm		ASTM D7647	>1300	<u> </u>	918	<u>▲</u> 4550
Particles >14μm		ASTM D7647	>80	438	70	<u></u> 574
Particles >21µm		ASTM D7647	>20	<u> </u>	23	▲ 149
Particles >38μm		ASTM D7647	>4	<u> </u>	0	<u> </u>
Particles >71µm		ASTM D7647	>3	2	0	1
Oil Cleanliness		ISO 4406 (c)	>/17/13	<u>^</u> 20/19/16	20/17/13	<u>\$\text{\Delta}\$ 21/19/16</u>
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
	1/011/	4.0TI.4.D.00.4E				

Acid Number (AN)

mg KOH/g ASTM D8045 0.4

0.39

0.32

0.38



OIL ANALYSIS REPORT







Laboratory Sample No. Lab Number

: 06216862 Unique Number : 11089726 Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : KC06216862 Received : 21 Jun 2024 : 24 Jun 2024

Tested Diagnosed

: 24 Jun 2024 - Don Baldridge

Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - 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)

GAINESVILLE, GA US 30501 Contact: Service Manager

BOEHRINGER INGELHEIM

1112 AIRPORT PKWY SW

T: F: