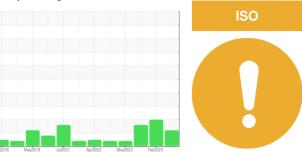


# **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

# KAESER CSD 12S 5680134 (S/N 2442)

Component Compressor

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

#### 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 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.

		Nov2016	May2019 Jul2021	Aprž022 Mayž023 Fel	2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA017789	KCPA013641	KCPA006113
Sample Date		Client Info		20 May 2024	28 Feb 2024	26 Sep 2023
Machine Age	hrs	Client Info		0	53682	50137
Oil Age	hrs	Client Info		1442	3548	0
Oil Changed		Client Info		Not Changd	Not Changd	N/A
Sample Status				ATTENTION	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	0	0
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>3	0	0	0
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>10	0	0	0
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>50	14	13	21
Tin	ppm	ASTM D5185m	>10	0	0	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m	90	0	4	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m	90	6	9	4
Calcium	ppm	ASTM D5185m	2	0	0	0
Phosphorus	ppm	ASTM D5185m		<1	2	4
Zinc	ppm	ASTM D5185m		0	0	0
Sulfur	ppm	ASTM D5185m		19379	17179	14684
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	<1
Sodium	ppm	ASTM D5185m		5	10	2
Potassium	ppm	ASTM D5185m	>20	<1	1	1
Water	%	ASTM D6304	>0.05	0.008	0.011	0.005
ppm Water	ppm	ASTM D6304	>500	87	113	53.8
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		2851	29617	24818
Particles >6µm		ASTM D7647	>1300	1008	<u>▲</u> 6448	<b>△</b> 3387
Particles >14µm		ASTM D7647	>80	<b>134</b>	<b>▲</b> 380	<b>9</b> 7
Particles >21µm		ASTM D7647	>20	<b>9</b> 31	<u></u> 100	<u>4</u> 24
Particles >38µm		ASTM D7647	>4	1	<u>^</u> 6	1
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	<b>19/17/14</b>	<u>22/20/16</u>	<u>22/19/14</u>
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	0.39	0.42	0.43



## **OIL ANALYSIS REPORT**







Laboratory

Sample No. Lab Number

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : KCPA017789 : 06205445 Unique Number : 11072906

Received **Tested** Diagnosed

: 13 Jun 2024 - Don Baldridge Test Package : IND 2 ( Additional Tests: KF, PrtCount )

: 10 Jun 2024

: 12 Jun 2024

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. 9005 SMITHS MILL RD NEW ALBANY, OH US 43054 Contact: P. LONGIA

plongia@axiumplastics.com T:

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

F: