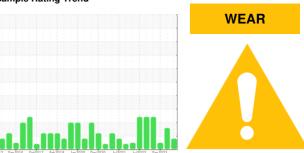


# **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

# KAESER ESD 300 4193646 (S/N 1009)

Compressor

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

### **DIAGNOSIS**

### Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

The copper level is abnormal. All other 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.

		ar2012 Sep201	6 Oct2017 Feb2019 Jan.	2020 Dec2020 Jul2021 Jul2022	Sep2023	
SAMPLE INFORMA	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA002540	KCPA010124	KCPA006201
Sample Date		Client Info		11 Mar 2024	12 Dec 2023	18 Sep 2023
Machine Age	nrs	Client Info		95014	93011	90968
Oil Age	nrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron p	opm	ASTM D5185m	>50	1	0	0
Chromium p	opm	ASTM D5185m	>10	<1	0	0
Nickel p	opm	ASTM D5185m	>3	<1	0	0
Titanium	opm	ASTM D5185m	>3	<1	0	0
Silver	opm	ASTM D5185m	>2	<1	0	0
Aluminum p	opm	ASTM D5185m	>10	2	0	0
Lead p	opm	ASTM D5185m	>10	<1	0	0
Copper	opm	ASTM D5185m	>50	<u> </u>	24	24
	opm	ASTM D5185m	>10	<1	0	0
Vanadium p	opm	ASTM D5185m		<1	0	0
Cadmium p	opm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron p	opm	ASTM D5185m		0	0	0
Barium p	opm	ASTM D5185m	90	0	0	0
Molybdenum p	opm	ASTM D5185m		<1	0	0
	opm	ASTM D5185m		0	<1	0
	opm	ASTM D5185m	90	3	0	0
Calcium	opm	ASTM D5185m	2	<1	0	0
Phosphorus p	opm	ASTM D5185m		<1	4	0
	opm	ASTM D5185m		0	0	0
	opm	ASTM D5185m		8970	8817	10157
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	opm	ASTM D5185m	>25	<1	0	<1
	opm	ASTM D5185m		0	0	<1
	opm	ASTM D5185m	>20	<1	<1	1
	%	ASTM D6304	>0.05	0.025	0.008	0.006
	opm	ASTM D6304	>500	255	89	60.4
FLUID CLEANLINE	SS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		3319	17907	3352
Particles >6µm		ASTM D7647	>1300	748	<b>4571</b>	388
Particles >14µm		ASTM D7647	>80	38	<u>^</u> 244	18
Particles >21µm		ASTM D7647	>20	11	<u></u> 55	6
Particles >38µm		ASTM D7647	>4	1	1	0
Particles >71μm		ASTM D7647		0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	19/17/12	△ 21/19/15	19/16/11
FLUID DEGRADAT	ION	method	limit/base	current	history1	history2
Acid Number (AN)	ng KOH/g	ASTM D8045	0.4	0.41	0.39	0.35



## **OIL ANALYSIS REPORT**







Certificate 12367

Laboratory Sample No.

: KCPA002540 Lab Number : 06180677

Unique Number : 11032003

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 15 May 2024 **Tested** : 18 May 2024

Diagnosed : 18 May 2024 - Jonathan Hester

Test Package : IND 2 ( Additional Tests: KF, PrtCount ) 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.

**GERDAU MAC STEEL** 3000 E FRONT ST

MONROE, MI US 48161 Contact:

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

T:

F: