

# **OIL ANALYSIS REPORT**

Sample Rating Trend



ISO

Machine Id

# 6987676 (S/N 1264)

Compressor

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

#### Recommendation

No corrective action is recommended at this time. Oil and 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.

		Jan 202	1 Jan 2022	Feb 2023 Ap	12024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA016353	KCP54773	KCP35299
Sample Date		Client Info		04 Apr 2024	20 Feb 2023	06 Jan 2022
Machine Age	hrs	Client Info		10984	8343	5872
Oil Age	hrs	Client Info		2641	2157	2059
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				ATTENTION	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1	<1	<1
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m	>3	0	<1	0
Titanium	ppm	ASTM D5185m	>3	<1	0	0
Silver	ppm	ASTM D5185m	>2	<1	0	<1
Aluminum	ppm	ASTM D5185m	>10	2	<1	<1
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>50	5	2	2
Tin	ppm	ASTM D5185m	>10	<1	0	<1
Antimony	ppm	ASTM D5185m				0
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	23
Barium	ppm	ASTM D5185m	90	16	39	34
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m	100	36	64	46
Calcium	ppm	ASTM D5185m	0	4	2	2
Phosphorus	ppm	ASTM D5185m	0	0	3	2
Zinc	ppm	ASTM D5185m	0	11	7	6
Sulfur	ppm	ASTM D5185m	23500	21249	22990	17409
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	1	<1
Sodium	ppm	ASTM D5185m		7	18	15
Potassium	ppm	ASTM D5185m	>20	4	5	2
Water	%	ASTM D6304	>0.05	0.012	0.007	0.008
ppm Water	ppm	ASTM D6304	>500	123	78.8	89.9
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		4862	6872	35503
Particles >6µm		ASTM D7647	>1300	<u> </u>	<u>\$\text{2936}\$</u>	<u>▲</u> 15132
Particles >14μm		ASTM D7647	>80	92	44	<u> </u>
Particles >21µm		ASTM D7647	>20	<u>28</u>	8	<u></u> ▲ 194
Particles >38µm		ASTM D7647	>4	1	2	2
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	<b>19/18/14</b>	<u>^</u> 20/19/13	<b>△</b> 21/17
FLUID DEGRADA	TION	method	limit/base	current	history1	history2



## **OIL ANALYSIS REPORT**







Certificate 12367

Laboratory Sample No.

: KCPA016353 Lab Number : 06142311 Unique Number: 10967119

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received **Tested** Diagnosed

: 08 Apr 2024

: 09 Apr 2024

: 10 Apr 2024 - Doug Bogart 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. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

T: F:

US 80022

**TFI INLINE DESIGN** 

COMMERCE CITY, CO

Contact: Service Manager

5658 E 58TH AVE