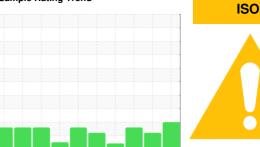


# **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

# KAESER SK 15T 4296722 (S/N 1101)

Component

Compressor

KAESER SIGMA (OEM) M-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.

Nov2016 Ju2017 Apr2018 Jus2019 Sep2019 Dec2020 Mar2022 Feb2023 Aug2023 Jan2024						
SAMPLE INFORMA	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA011049	KCP48175D	KCP55564
Sample Date		Client Info		17 Jan 2024	03 Aug 2023	07 Feb 2023
Machine Age	hrs	Client Info		32712	31230	29852
Oil Age	hrs	Client Info		0	0	2317
Oil Changed		Client Info		N/A	Changed	Not Changd
Sample Status				ABNORMAL	ATTENTION	ATTENTION
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	<1	0	0
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	<1	0	0
Aluminum	ppm	ASTM D5185m	>10	<1	<1	<1
Lead	ppm	ASTM D5185m	>10	2	0	0
	ppm	ASTM D5185m	>50	3	4	3
	ppm	ASTM D5185m	>10	<1	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	0
	ppm	ASTM D5185m	90	0	0	<1
	ppm	ASTM D5185m	0	<1	0	0
	ppm	ASTM D5185m		2	0	0
	ppm	ASTM D5185m	100	67	19	39
	ppm	ASTM D5185m	0	2	0	<1
	ppm	ASTM D5185m	0	1	0	3
	ppm	ASTM D5185m	0	33	38	38
	ppm	ASTM D5185m	23500	19317	20973	20199
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	0	<1
Sodium	ppm	ASTM D5185m		20	7	16
Potassium	ppm	ASTM D5185m	>20	6	<1	1
Water	%	ASTM D6304	>0.05	0.011	0.008	0.014
ppm Water	ppm	ASTM D6304	>500	118	89.3	143.3
FLUID CLEANLINE	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		9889	3748	6708
Particles >6µm		ASTM D7647	>1300	<b>^</b> 3994	1171	<b>1</b> 2128
Particles >14µm		ASTM D7647	>80	<b>A</b> 802	<b>1</b> 20	<b>154</b>
Particles >21µm		ASTM D7647	>20	<b>A</b> 326	<b>4</b> 0	▲ 28
Particles >38µm		ASTM D7647	>4	<b>23</b>	2	2
Particles >71µm		ASTM D7647	>3	1	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	<u>^</u> 20/19/17	<b>1</b> 9/17/14	▲ 20/18/14
FLUID DEGRADAT	ΓΙΟΝ	method	limit/base	current	history1	history2
Acid Number (AN)	ma 1/011/a	ACTM DOOM	1.0	0.45	0.25	0.01

Acid Number (AN)

mg KOH/g ASTM D8045 1.0

0.35

0.45

0.31



## **OIL ANALYSIS REPORT**







Certificate L2367

Sample No. Lab Number **Unique Number** 

: 06077711 : 10859802

: KCPA011049

Recieved Diagnosed Diagnostician : Don Baldridge

: 04 Feb 2024

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)

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