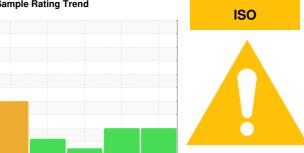


## **OIL ANALYSIS REPORT**

Sample Rating Trend



## KAESER SK 20 7261606 (S/N 1420)

Compressor

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

# **DIAGNOSIS**

#### Recommendation

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. 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 acceptable for the time in

		Aug2020	0ct2020	May2022 Mar2023	Sep2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KC111118	KC106073	KC107284
Sample Date		Client Info		11 Sep 2023	03 Mar 2023	19 May 2022
Machine Age	hrs	Client Info		22565	20391	16442
Oil Age	hrs	Client Info		6123	3949	9057
Oil Changed		Client Info		Changed	Not Changd	Changed
Sample Status				ABNORMAL	ABNORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1	<1	<1
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>3	0	<1	0
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	<1
Aluminum	ppm	ASTM D5185m	>10	1	<1	<1
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>50	5	2	3
Tin	ppm	ASTM D5185m	>10	0	<1	<1
Antimony	ppm	ASTM D5185m				
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
Barium	ppm	ASTM D5185m	90	46	15	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m	90	47	54	40
Calcium	ppm	ASTM D5185m	2	2	1	0
Phosphorus	ppm	ASTM D5185m		11	2	6
Zinc	ppm	ASTM D5185m		0	7	0
CONTAMINANTS	i	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	<1
Sodium	ppm	ASTM D5185m		14	21	<1
Potassium	ppm	ASTM D5185m	>20	2	9	3
Water	%	ASTM D6304	>0.05	0.016	0.016	0.023
ppm Water	ppm	ASTM D6304	>500	164	164.2	234.0
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		33666	27086	4584
Particles >6µm		ASTM D7647	>1300	<u> </u>	<u> </u>	748
Particles >14µm		ASTM D7647	>80	<b>1023</b>	<b>▲</b> 1013	74
Particles >21µm		ASTM D7647	>20	<u>284</u>	<u>^</u> 208	24
Particles >38μm		ASTM D7647	>4	<u> </u>	<b>1</b> 6	2
Particles >71μm		ASTM D7647	>3	1	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	<u>22/21/17</u>	<u>△</u> 22/21/17	19/17/13
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	0.36	0.34	0.35



### **OIL ANALYSIS REPORT**

