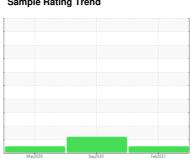


# **OIL ANALYSIS REPORT**

Sample Rating Trend



**NORMAL** 



# Machine Id **6821939 (S/N 2071)**

Component

Compressor

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

## Recommendation

Resample at the next service interval to monitor.

All 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.

		May2020		Sep2020 Feb2021		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KC93997	KC84475	KC83606
Sample Date		Client Info		04 Feb 2021	22 Sep 2020	22 May 2020
Machine Age	hrs	Client Info		2693	1944	1437
Oil Age	hrs	Client Info		749	1944	1437
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Sample Status				NORMAL	ATTENTION	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1	2	2
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	<1	0	<1
Aluminum	ppm	ASTM D5185m	>10	0	3	12
Lead	ppm	ASTM D5185m	>10	0	0	<1
Copper	ppm	ASTM D5185m	>50	2	12	5
Tin	ppm	ASTM D5185m	>10	0	<1	0
Antimony	ppm	ASTM D5185m		0	<1	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		<1	12	<1
Barium	ppm	ASTM D5185m	90	47	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m	90	73	<1	3
Calcium	ppm	ASTM D5185m	2	2	0	<1
Phosphorus	ppm	ASTM D5185m		<1	2	3
Zinc	ppm	ASTM D5185m		0	21	0
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	3	<1	<1
Sodium	ppm	ASTM D5185m		9	<1	0
Potassium	ppm	ASTM D5185m	>20	10	<1	2
Water	%	ASTM D6304	>0.05	0.015	0.006	0.007
ppm Water	ppm	ASTM D6304	>500	153.3	67.7	75.5
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		3676	7030	445
Particles >6µm		ASTM D7647	>1300	518	<b>1912</b>	143
Particles >14µm		ASTM D7647	>80	21	<b>1</b> 26	18
Particles >21µm		ASTM D7647	>20	5	<b>▲</b> 32	4
Particles >38µm		ASTM D7647	>4	0	4	0
Particles >71μm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	16/12	▲ 18/14	14/11
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
A = : al NI	VOLV-	ACTM DODAE	0.4	0.276	0.407	0.410

Acid Number (AN)

mg KOH/g ASTM D8045 0.4

0.427

0.376

0.412



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