

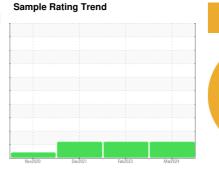
OIL ANALYSIS REPORT

7136995 (S/N 1337)

Component

Compressor

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





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 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.

		Nov202	Dec2021	Feb 2023 M	ar2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KC124647	KC106474	KCP97544
Sample Date		Client Info		18 Mar 2024	20 Feb 2023	22 Dec 2021
Machine Age	hrs	Client Info		465	6433	4162
Oil Age	hrs	Client Info		0	2271	0
Oil Changed		Client Info		N/A	Changed	Changed
Sample Status				ATTENTION	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	0	<1
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m	>3	<1	0	0
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>10	<1	<1	<1
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>50	2	2	2
Tin	ppm	ASTM D5185m	>10	0	0	<1
Antimony	ppm	ASTM D5185m				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	22
Barium	ppm	ASTM D5185m	90	<1	0	0
Molybdenum	ppm	ASTM D5185m		0	0	<1
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m	90	61	72	67
Calcium	ppm	ASTM D5185m	2	<1	3	<1
Phosphorus	ppm	ASTM D5185m		0	26	4
Zinc	ppm	ASTM D5185m		0	2	0
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	2	<1
Sodium	ppm	ASTM D5185m	7 _ 0	18	32	17
Potassium	ppm	ASTM D5185m	>20	3	3	2
Water	%	ASTM D6304		0.008	0.010	0.011
ppm Water	ppm	ASTM D6304	>500	82	109.0	110.8
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647		3115	6168	11456
Particles >6µm		ASTM D7647	>1300	1252	△ 2887	△ 4752
Particles >14µm		ASTM D7647	>80	155	<u> </u>	<u>^</u> 240
Particles >21µm		ASTM D7647	>20	40	20	△ 30
Particles >38µm		ASTM D7647	>4	0	0	2
Particles >71μm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	19/17/14	<u>^</u> 20/19/15	△ 19/15
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	0.34	0.32	0.280



OIL ANALYSIS REPORT

