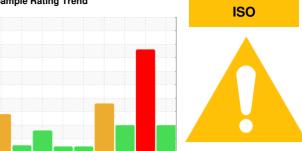


OIL ANALYSIS REPORT

Sample Rating Trend



KAESER SM 15 6879966 (S/N 1106)

Compressor

KAESER SIGMA (OEM) S-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 acceptable for the time in

		Feb 2020 Sej	2020 Mar2021 Jun2021	Dec2021 Jun2022 Jan2023 Jul20	23 Feb2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KC06122324	KC05909489	KC05741513
Sample Date		Client Info		14 Feb 2024	21 Jul 2023	05 Jan 2023
Machine Age	hrs	Client Info		34544	30529	25902
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	SEVERE	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	▲ 30	0
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>3	0	0	0
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>10	0	0	0
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>50	7	14	14
Tin	ppm	ASTM D5185m	>10	0	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
Barium	ppm	ASTM D5185m	90	0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m	90	0	<1	<1
Calcium	ppm	ASTM D5185m	2	0	0	0
Phosphorus	ppm	ASTM D5185m		0	1	19
Zinc	ppm	ASTM D5185m		0	0	0
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	<1	7
Sodium	ppm	ASTM D5185m		0	<1	2
Potassium	ppm	ASTM D5185m	>20	0	2	0
Water	%	ASTM D6304	>0.05	0.001	△ 0.097	0.016
ppm Water	ppm	ASTM D6304	>500	13	△ 970	168.6
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		23981		22598
Particles >6µm		ASTM D7647	>1300	A 8095		▲ 8786
Particles >14µm		ASTM D7647	>80	A 895		△ 762
Particles >21µm		ASTM D7647	>20	^ 266		▲ 177
Particles >38µm		ASTM D7647	>4	<u> </u>		<u> </u>
Particles >71µm		ASTM D7647	>3	0		1
Oil Cleanliness		ISO 4406 (c)	>17/13	20/17		△ 20/17
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
	_					

Acid Number (AN)

mg KOH/g ASTM D8045 0.4

0.37

0.33

0.30



OIL ANALYSIS REPORT



* - 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: