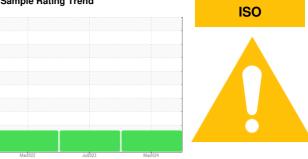


OIL ANALYSIS REPORT

Sample Rating Trend



KAESER 5105627 Component

Compressor KAESER SIGMA (OEM) M-460 (--- GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Oil and 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

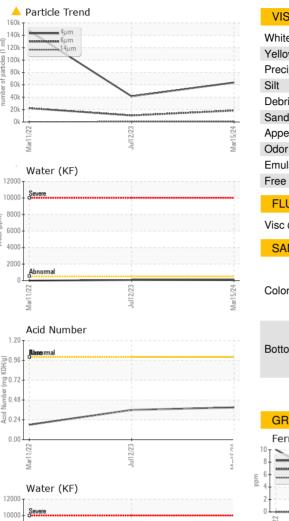
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

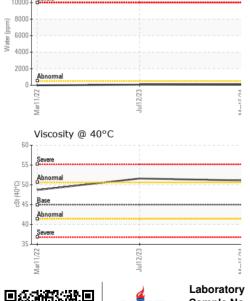
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA015707	KCP52668	KCP38195
Sample Date		Client Info		15 Mar 2024	12 Jul 2023	11 Mar 2022
Machine Age	hrs	Client Info		40246	35681	29234
Oil Age	hrs	Client Info		4565	6447	10135
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	1	1	10
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	<1	<1
Aluminum	ppm	ASTM D5185m	>10	<1	0	1
Lead	ppm	ASTM D5185m	>10	0	<1	0
Copper	ppm	ASTM D5185m	>50	10	19	2
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	2
Barium	ppm	ASTM D5185m	90	0	1	0
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m	100	2	<1	0
Calcium	ppm	ASTM D5185m	0	0	0	0
Phosphorus	ppm	ASTM D5185m	0	6	67	367
Zinc	ppm	ASTM D5185m	0	49	5	24
Sulfur	ppm	ASTM D5185m	23500	20070	17745	550
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	0	3
Sodium	ppm	ASTM D5185m		11	0	2
Potassium	ppm	ASTM D5185m	>20	<1	1	0
Water	%	ASTM D6304	>0.05	0.013	0.007	0.00
ppm Water	ppm	ASTM D6304	>500	132	71.5	0.00
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		63780	41535	147057
Particles >6µm		ASTM D7647	>1300	<u> </u>	<u> </u>	▲ 22282
Particles >14µm		ASTM D7647	>80	<mark>/</mark> 884	4 511	A 389
Particles >21µm		ASTM D7647	>20	🔺 195	<u> </u>	▲ 82
Particles >38µm		ASTM D7647	>4	4	2	1 0
Particles >71µm		ASTM D7647	>3	0	0	2
Oil Cleanliness		ISO 4406 (c)	>/17/13	A 23/21/17	A 23/21/16	A 22/16
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.39	0.36	0.18



Water

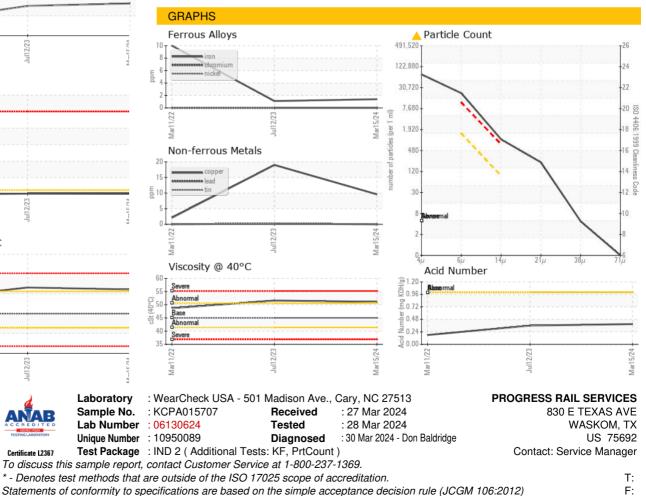
OIL ANALYSIS REPORT







Bottom



Certificate L2367