

OIL ANALYSIS REPORT

Sample Rating Trend

WEAR

KAESER CSD 100 9116564 (S/N 1291)

Component Compressor Fluid 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

The aluminum level is abnormal. All other 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.

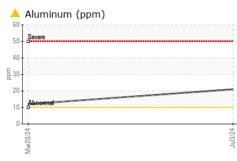
Fluid Condition

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

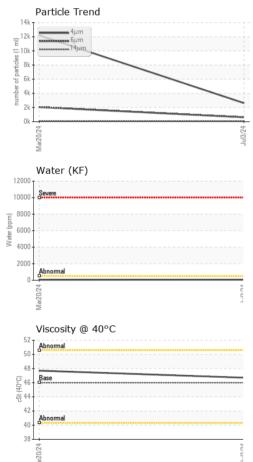
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KC107749	KC122125	
Sample Date		Client Info		03 Jul 2024	20 Mar 2024	
Machine Age	hrs	Client Info		4417	3203	
Oil Age	hrs	Client Info		4417	0	
Oil Changed		Client Info		Changed	N/A	
Sample Status				ABNORMAL	ABNORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	3	3	
Chromium	ppm	ASTM D5185m	>10	0	0	
Nickel	ppm	ASTM D5185m	>3	0	<1	
Titanium	ppm	ASTM D5185m	>3	0	0	
Silver	ppm	ASTM D5185m	>2	0	0	
Aluminum	ppm	ASTM D5185m	>10	<u> </u>	<u> </u>	
Lead	ppm	ASTM D5185m	>10	0	0	
Copper	ppm	ASTM D5185m	>50	2	2	
Tin	ppm	ASTM D5185m	>10	0	<1	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	
Barium	ppm	ASTM D5185m	90	<1	10	
Molybdenum	ppm	ASTM D5185m		0	0	
Manganese	ppm	ASTM D5185m		0	1	
Magnesium	ppm	ASTM D5185m	90	2	16	
Calcium	ppm	ASTM D5185m	2	0	<1	
Phosphorus	ppm	ASTM D5185m		38	39	
Zinc	ppm	ASTM D5185m		0	0	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	
Sodium	ppm	ASTM D5185m		8	6	
Potassium	ppm	ASTM D5185m	>20	10	10	
Water	%	ASTM D6304	>0.05	0.006	0.005	
ppm Water	ppm	ASTM D6304	>500	64	56	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		2624	12190	
Particles >6µm		ASTM D7647	>1300	615	2053	
Particles >14µm		ASTM D7647	>80	78	85	
Particles >21µm		ASTM D7647	>20	27	19	
Particles >38µm		ASTM D7647	>4	1	1	
Particles >71µm		ASTM D7647	>3	0	0	
Oil Cleanliness		ISO 4406 (c)	>/17/13	19/16/13	21/18/14	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	0.36	0.38	

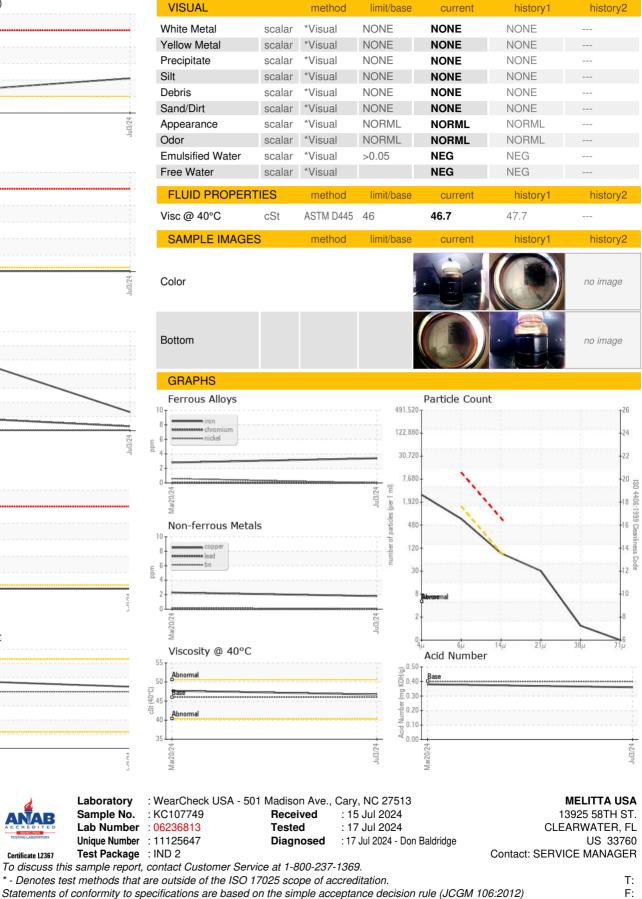


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Certificate 12367

Contact/Location: SERVICE MANAGER ? - MERCLE