

OIL ANALYSIS REPORT

Sample Rating Trend



KAESER 4846979

Compressor

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

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

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.

			Mar2022	Jul2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA005449	KCP38067	
Sample Date		Client Info		05 Jul 2023	25 Mar 2022	
Machine Age	hrs	Client Info		43057	36481	
Oil Age	hrs	Client Info		0	3000	
Oil Changed		Client Info		N/A	Changed	
Sample Status				NORMAL	ABNORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	6	14	
Chromium	ppm	ASTM D5185m	>10	0	0	
Nickel	ppm	ASTM D5185m	>3	0	0	
Titanium	ppm	ASTM D5185m	>3	<1	0	
Silver	ppm	ASTM D5185m	>2	0	0	
Aluminum	ppm	ASTM D5185m	>10	10	<u> </u>	
Lead	ppm	ASTM D5185m	>10	0	0	
Copper	ppm	ASTM D5185m	>50	2	1	
Tin	ppm	ASTM D5185m	>10	0	<1	
Vanadium	ppm	ASTM D5185m		<1	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	
Barium	ppm	ASTM D5185m		0	0	
Molybdenum	ppm	ASTM D5185m		0	0	
Manganese	ppm	ASTM D5185m		<1	<1	
Magnesium	ppm	ASTM D5185m		4	1	
Calcium	ppm	ASTM D5185m		0	0	
Phosphorus	ppm	ASTM D5185m	500	309	222	
Zinc	ppm	ASTM D5185m		128	87	
Sulfur	ppm	ASTM D5185m		1763	1375	
CONTAMINANTS	\$	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	<1	
Sodium	ppm	ASTM D5185m		3	0	
Potassium	ppm	ASTM D5185m	>20	0	<1	
Water	%	ASTM D6304	>0.05	0.003	0.005	
ppm Water	ppm	ASTM D6304	>500	31.3	56.5	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		2123	3175	
Particles >6µm		ASTM D7647	>1300	577	946	
Particles >14µm		ASTM D7647	>80	29	1 86	
Particles >21µm		ASTM D7647	>20	13	6 7	
Particles >38µm		ASTM D7647	>4	1	1 0	
Particles >71µm		ASTM D7647	>3	0	0	
Oil Cleanliness		ISO 4406 (c)	>/17/13	18/16/12	▲ 17/15	
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.5	1.17	0.94	



Water

Viscosity @ 40°C

Particle Trend

1.20

0.9 <u>ل</u>و 0.72 م

2²0.48

0.2

0.00

54

52

50

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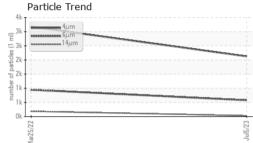
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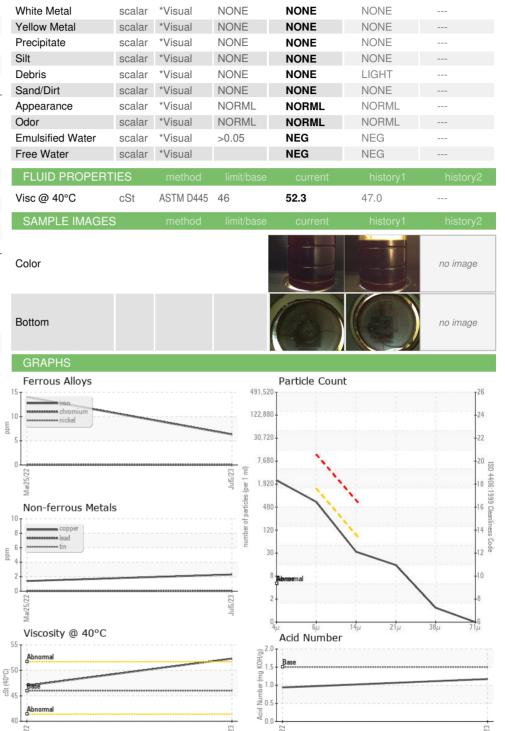
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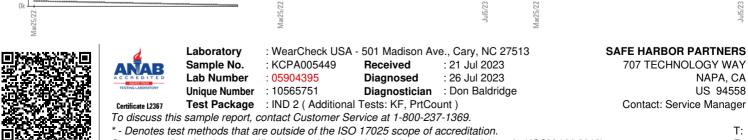
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Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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