

OIL ANALYSIS REPORT

RT

Sample Rating Trend

ISO



Machine Id

KAESER ESD 300 8860174 (S/N 1769)

Component

Compressor

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

DIAGNOSIS

Recommendation

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 service.

				Jan 2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KC127690		
Sample Date		Client Info		11 Jan 2024		
Machine Age	hrs	Client Info		2026		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	3		
Chromium	ppm	ASTM D5185m	>10	0		
Nickel	ppm	ASTM D5185m	>3	0		
Titanium	ppm	ASTM D5185m	>3	<1		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>10	13		
Lead	ppm	ASTM D5185m	>10	0		
Copper	ppm	ASTM D5185m	>50	<1		
Tin .	ppm	ASTM D5185m	>10	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m	90	0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m	90	0		
Calcium	ppm	ASTM D5185m	2	0		
Phosphorus	ppm	ASTM D5185m		38		
Zinc	ppm	ASTM D5185m		0		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	2		
Water	%	ASTM D6304	>0.05	0.004		
ppm Water	ppm	ASTM D6304		46		
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		67860		
Particles >6µm		ASTM D7647	>1300	16370		
Particles >14µm		ASTM D7647	>80	427		
Particles >21µm		ASTM D7647		▲ 80		
Particles >38µm		ASTM D7647	>4	3		
Particles >71µm		ASTM D7647	>3	0		

Oil Cleanliness

Acid Number (AN)

FLUID DEGRADATION

ISO 4406 (c)

method

mg KOH/g ASTM D8045 0.4

>--/17/13 **4 23/21/16**

current

0.07

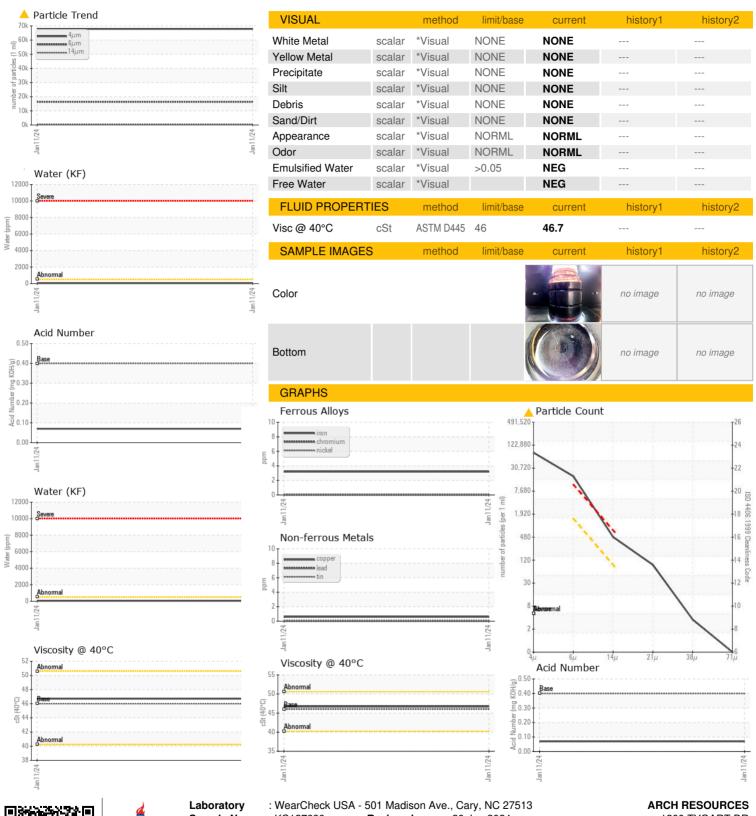
limit/base

history1

history2



OIL ANALYSIS REPORT





Certificate L2367

Sample No. Lab Number **Unique Number**

Test Package

: KC127690 : 06073946 : 10856037 : IND 2

: 30 Jan 2024 Recieved Diagnosed : 31 Jan 2024 Diagnostician

: Angela Borella

1200 TYGART DR GRAFTON, WV US 26354 Contact: Service Manager

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - 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: