

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



8432637 (S/N 2024)

Component

Compressor

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

Recommendation

Resample at the next service interval to monitor.

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.

				Jan 2024		
SAMPLE INFORM	MATION	method				history2
Sample Number		Client Info		KCPA011960		
Sample Date		Client Info		10 Jan 2024		
Machine Age	hrs	Client Info		2624		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1		
Chromium	ppm	ASTM D5185m	>10	0		
Nickel	ppm	ASTM D5185m	>3	0		
Titanium	ppm	ASTM D5185m	>3	0		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>10	0		
Lead	ppm	ASTM D5185m	>10	0		
Copper	ppm	ASTM D5185m	>50	4		
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	0		
Barium	ppm	ASTM D5185m	90	0		
Molybdenum	ppm	ASTM D5185m	0	0		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m	100	41		
Calcium	ppm	ASTM D5185m	0	0		
Phosphorus	ppm	ASTM D5185m	0	0		
Zinc	ppm	ASTM D5185m	0	2		
Sulfur	ppm	ASTM D5185m	23500	17236		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0		
Sodium	ppm	ASTM D5185m	720	11		
Potassium	ppm	ASTM D5185m	>20	5		
Water	%	ASTM D6304	>0.05	0.012		
ppm Water	ppm	ASTM D6304	>500	129		
FLUID CLEANLIN	IESS _	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		4128		
Particles >6µm		ASTM D7647	>1300	1295		
Particles >14µm		ASTM D7647	>80	63		
Particles >21µm		ASTM D7647	>20	15		
Particles >38µm		ASTM D7647	>4	0		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>/17/13	19/17/13		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
A 1111 1 (4:0)	1/011:	AOTH Book	1.0			

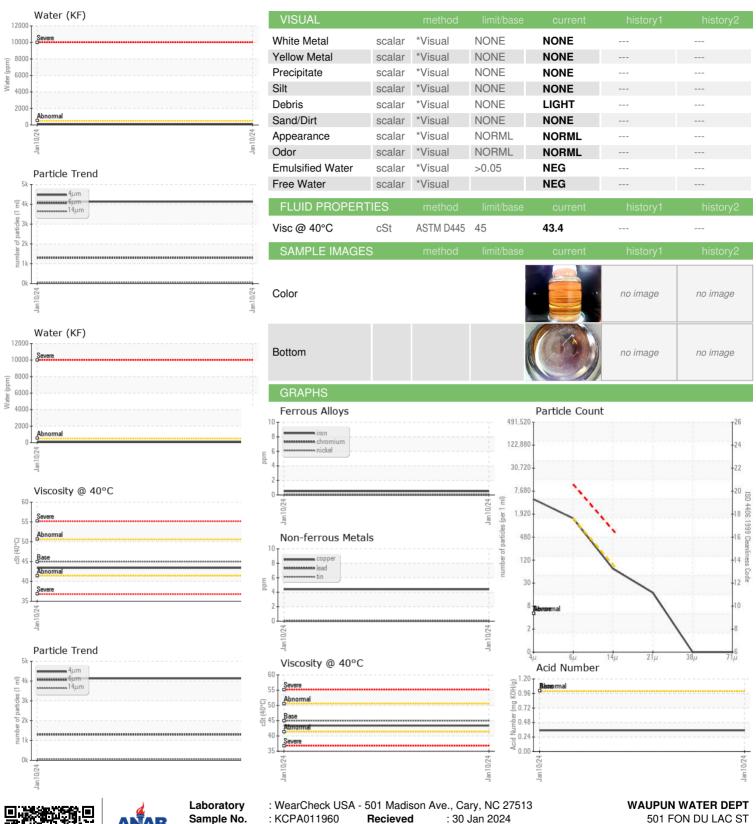
Acid Number (AN)

mg KOH/g ASTM D8045 1.0

0.35



OIL ANALYSIS REPORT





Certificate L2367

Sample No. Lab Number **Unique Number**

: KCPA011960 : 06073881 : 10855972

Recieved Diagnosed : 31 Jan 2024 Diagnostician : Don Baldridge

Test Package : IND 2 (Additional Tests: KF, PrtCount) 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)

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