

# **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

# 9066982 (S/N 2590)

Compressor

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

#### 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 no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

#### **Fluid Condition**

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

SAMPLE INFORM	AATIONI	or a the seal	12 21 /1		la fact a smooth	h'atam 0
	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA013312		
Sample Date		Client Info		07 May 2024		
Machine Age	hrs	Client Info		3373		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0		
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	0		
Tin	ppm	ASTM D5185m	>10	<1		
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	<1		
Molybdenum	ppm	ASTM D5185m	0	0		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m	100	36		
Calcium	ppm	ASTM D5185m	0	0		
Phosphorus	ppm	ASTM D5185m	0	297		
Zinc	ppm	ASTM D5185m	0	8		
Sulfur	ppm	ASTM D5185m	23500	3471		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0		
Sodium	ppm	ASTM D5185m		17		
Potassium	ppm	ASTM D5185m	>20	3		
Water	%	ASTM D6304	>0.05	0.015		
ppm Water	ppm	ASTM D6304	>500	154		
FLUID CLEANLIN	IESS _	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647		1570		
Particles >6µm		ASTM D7647	>1300	134		
Particles >14µm		ASTM D7647	>80	9		
Particles >21µm		ASTM D7647	>20	3		
Particles >38µm		ASTM D7647	>4	0		
Particles >71μm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>/17/13	18/14/10		
FLUID DEGRADA	TION _	method	limit/base	current	history1	history2
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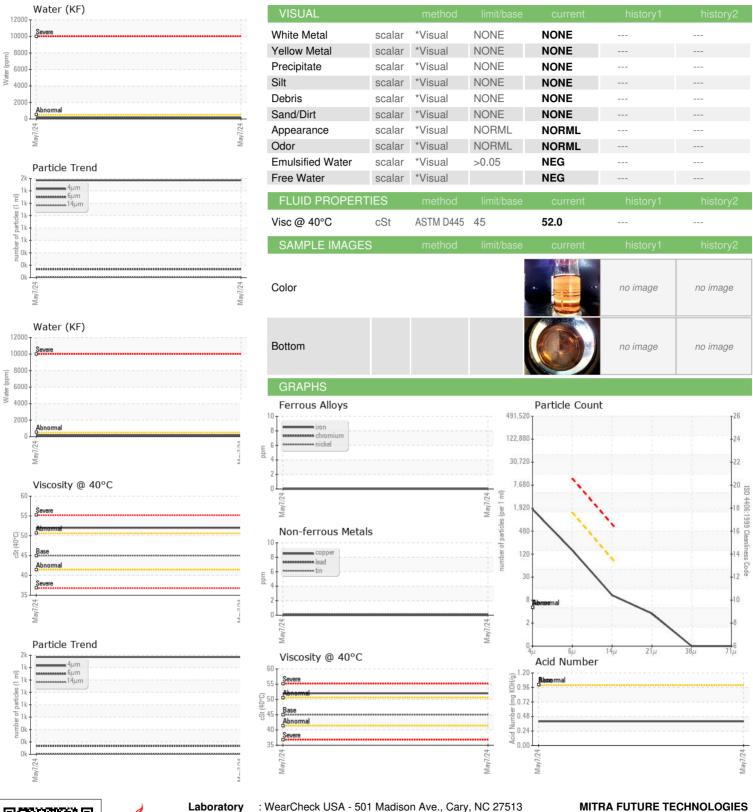
Acid Number (AN)

mg KOH/g ASTM D8045 1.0

0.40



## **OIL ANALYSIS REPORT**





Certificate 12367

Laboratory Sample No.

: KCPA013312 Lab Number : 06176126

Unique Number : 11022179 Test Package : IND 2 ( Additional Tests: KF, PrtCount )

Received : 10 May 2024 **Tested** : 14 May 2024

Diagnosed : 14 May 2024 - Doug Bogart

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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