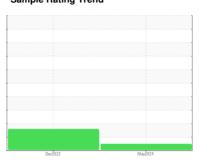


# **OIL ANALYSIS REPORT**

Sample Rating Trend



**NORMAL** 



Machine Id

# 7165886 (S/N 1353)

Compressor

KAESER SIGMA (OEM) FG-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.

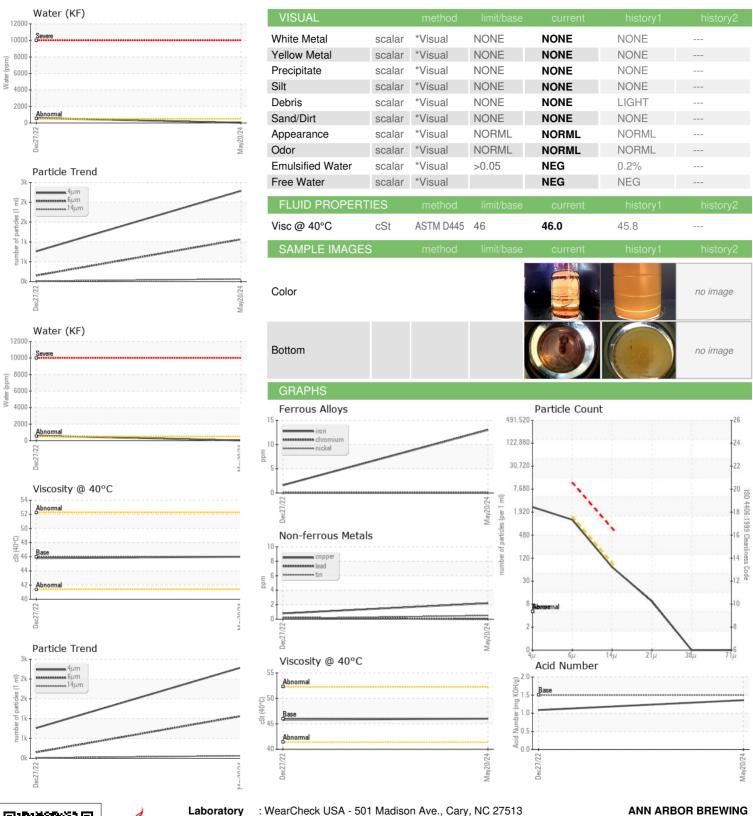
### **Fluid Condition**

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

			Dec2022	May2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA018041	KCP52191	
Sample Date		Client Info		20 May 2024	27 Dec 2022	
Machine Age	hrs	Client Info		1686	721	
Oil Age	hrs	Client Info		0	721	
Oil Changed		Client Info		Changed	Changed	
Sample Status				NORMAL	ABNORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	13	2	
Chromium	ppm	ASTM D5185m	>10	0	0	
Nickel	ppm	ASTM D5185m	>3	0	0	
Titanium	ppm	ASTM D5185m	>3	0	0	
Silver	ppm	ASTM D5185m	>2	0	0	
Aluminum	ppm	ASTM D5185m	>10	1	0	
Lead	ppm	ASTM D5185m	>10	0	<1	
Copper	ppm	ASTM D5185m	>50	2	<1	
Tin	ppm	ASTM D5185m	>10	<1	<1	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<1	0	
Barium	ppm	ASTM D5185m		0	0	
Molybdenum	ppm	ASTM D5185m		<1	0	
Manganese	ppm	ASTM D5185m		1	<1	
Magnesium	ppm	ASTM D5185m		0	4	
Calcium	ppm	ASTM D5185m		0	0	
Phosphorus	ppm	ASTM D5185m	500	363	429	
Zinc	ppm	ASTM D5185m		126	72	
Sulfur	ppm	ASTM D5185m		2277	3804	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	
Sodium	ppm	ASTM D5185m		2	1	
Potassium	ppm	ASTM D5185m	>20	3	<1	
Water	%	ASTM D6304		0.003	△ 0.060	
ppm Water	ppm	ASTM D6304	>500	29	<b>△</b> 600	
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647		2287	763	
Particles >6µm		ASTM D7647	>1300	1064	152	
Particles >14µm		ASTM D7647	>80	62	13	
Particles >21µm		ASTM D7647	>20	8	3	
Particles >38µm		ASTM D7647	>4	0	0	
Particles >71μm		ASTM D7647	>3	0	0	
Oil Cleanliness		ISO 4406 (c)	>/17/13	18/17/13	17/14/11	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.5	1.36	1.088	



## **OIL ANALYSIS REPORT**





Certificate 12367

Sample No.

Lab Number : 06210154

: KCPA018041 Unique Number : 11083018

Received : 14 Jun 2024 **Tested** : 18 Jun 2024 Diagnosed

: 18 Jun 2024 - 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)

5285 JULIET ST

DENVER, CO US 80239 Contact: DANNY T:

danny@leopolbros.com

F: Contact/Location: DANNY ? - ANNDEN