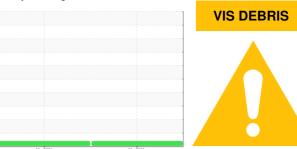


# **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

# 6376607 (S/N 1226)

Compressor

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

### **DIAGNOSIS**

#### Recommendation

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

## Contamination

Moderate concentration of visible dirt/debris present 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.

			May2021	May2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA014496	KCP32766	
Sample Date		Client Info		23 May 2024	27 May 2021	
Machine Age	hrs	Client Info		12917	4811	
Oil Age	hrs	Client Info		2000	1969	
Oil Changed		Client Info		Changed	Changed	
Sample Status				ABNORMAL	ABNORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1	4	
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	4	7	
Lead	ppm	ASTM D5185m	>10	0	0	
Copper	ppm	ASTM D5185m	>50	3	2	
Tin	ppm	ASTM D5185m	>10	0	<1	
Antimony	ppm	ASTM D5185m			0	
Vanadium	ppm	ASTM D5185m		<1	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	1	
Barium	ppm	ASTM D5185m		0	0	
Molybdenum	ppm	ASTM D5185m		0	0	
Manganese	ppm	ASTM D5185m		0	0	
Magnesium	ppm	ASTM D5185m		0	<1	
Calcium	ppm	ASTM D5185m		0	0	
Phosphorus	ppm	ASTM D5185m	500	246	244	
Zinc	ppm	ASTM D5185m		52	89	
Sulfur	ppm	ASTM D5185m		1490	1165	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	0	
Sodium	ppm	ASTM D5185m		1	<1	
Potassium	ppm	ASTM D5185m	>20	0	0	
Water	%	ASTM D6304		0.002	0.002	
ppm Water	ppm	ASTM D6304	>500	22	18.3	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		10140		
Particles >6µm		ASTM D7647	>1300	1193		
Particles >14µm		ASTM D7647	>80	13		
Particles >21µm		ASTM D7647	>20	1		
Particles >38µm		ASTM D7647	>4	0		
Particles >71µm		ASTM D7647		0		
Oil Cleanliness		ISO 4406 (c)	>/17/13	21/17/11		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2

Acid Number (AN)

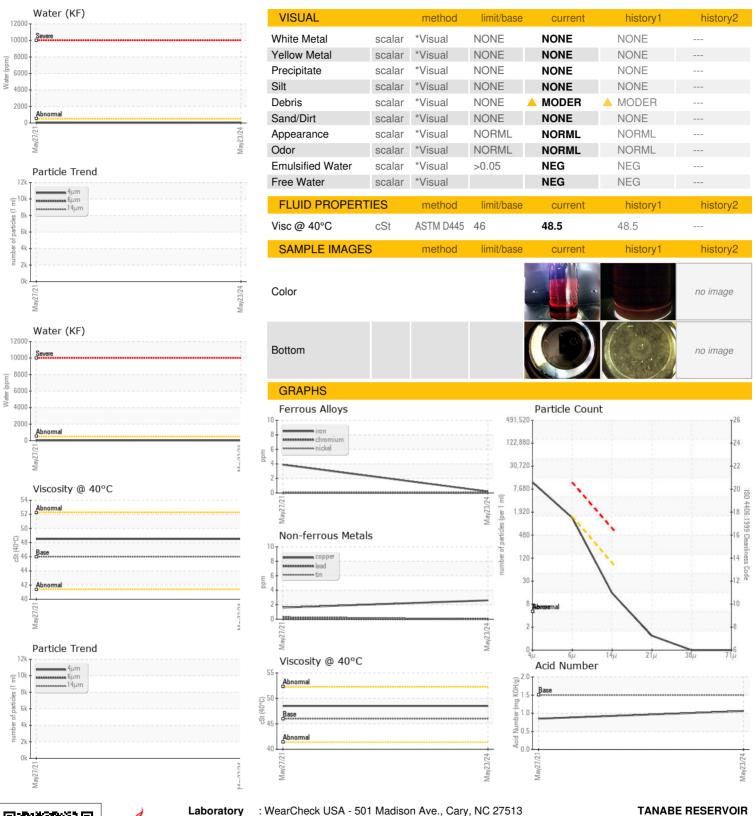
mg KOH/g ASTM D8045 1.5

0.851

Contact/Location: KRIS SANDOVAL - TANCOM



## **OIL ANALYSIS REPORT**





Certificate 12367

Laboratory Sample No. Lab Number

: KCPA014496 : 06205415 Unique Number : 11072876

Received : 10 Jun 2024 **Tested** Diagnosed

: 13 Jun 2024

: 13 Jun 2024 - Don Baldridge Test Package : IND 2 ( Additional Tests: KF, PrtCount )

US 80640 Contact: KRIS SANDOVAL kris.sandoval@denverwater.org T:

11020 BRIGHTON BLVD

COMMERCE CITY, CO

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

F: