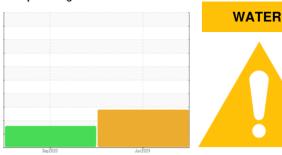


# **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

# **KAESER 5641608**

Compressor

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

## **DIAGNOSIS**

### Recommendation

Oil and filter change at the time of sampling has been noted. We recommend an early resample in 500 hours to monitor this condition. We were unable to perform a particle count due to a high concentration of particles present in this sample.

The copper level is abnormal. All other component wear rates are normal.

### Contamination

Moderate concentration of visible dirt/debris present in the oil. There is a light concentration of water present in the oil.

## **Fluid Condition**

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

			Sep2020	Jun2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA012271	KCP29148	
Sample Date		Client Info		07 Jun 2024	02 Sep 2020	
Machine Age	hrs	Client Info		2961	2437	
Oil Age	hrs	Client Info		0	2437	
Oil Changed		Client Info		Changed	Changed	
Sample Status				ABNORMAL	ABNORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1	1	
Chromium	ppm	ASTM D5185m	>10	<1	<1	
Nickel	ppm	ASTM D5185m	>3	<1	0	
Titanium	ppm	ASTM D5185m	>3	<1	0	
Silver	ppm	ASTM D5185m	>2	0	<1	
Aluminum	ppm	ASTM D5185m	>10	2	0	
Lead	ppm	ASTM D5185m	>10	<1	<1	
Copper	ppm	ASTM D5185m	>50	<u> </u>	3	
Tin	ppm	ASTM D5185m	>10	<1	<1	
Antimony	ppm	ASTM D5185m	710		0	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	<1	
Barium	ppm	ASTM D5185m	90	0	3	
Molybdenum	ppm	ASTM D5185m	0	<1	0	
Manganese	ppm	ASTM D5185m		0	<1	
Magnesium	ppm	ASTM D5185m	100	<1	62	
Calcium	ppm	ASTM D5185m	0	0	<1	
Phosphorus	ppm	ASTM D5185m	0	3	4	
Zinc	ppm	ASTM D5185m	0	0	0	
Sulfur	ppm	ASTM D5185m	23500	11879	18402	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	8	4	
Sodium	ppm	ASTM D5185m	720	0	23	
Potassium		ASTM D5185m	>20	<1	3	
Water	ppm %	ASTM D510311	>0.05	△ 0.076	0.049	
ppm Water	ppm	ASTM D6304	>500	▲ 764	495.0	
FLUID CLEANLIN		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647			14308	
Particles >6µm		ASTM D7647	>1300		△ 4011	
Particles >14µm		ASTM D7647	>80		▲ 460	
Particles >14µm		ASTM D7647			▲ 140	
Particles >21µm		ASTM D7647	>20		7	
·						
Particles >71µm Oil Cleanliness		ASTM D7647 ISO 4406 (c)			0 <u>19/16</u>	
On Oleanilliess		13U 44U0 (C)	>/17/13		13/10	
FLUID DEGRADA		method	limit/base	current	history1	history2

Acid Number (AN)

mg KOH/g ASTM D8045 1.0

0.331 Contact/Location: Service Manager - ZIPKIN



## **OIL ANALYSIS REPORT**







Laboratory Sample No.

: KCPA012271 Lab Number : 06209248 Unique Number : 11076709

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Received : 13 Jun 2024 **Tested** Diagnosed

: 16 Jun 2024

: 16 Jun 2024 - Doug Bogart

**ZIPS DRY CLEANERS** 371 W DEKALB PIKE KING OF PRUSSIA, PA US 19406

Contact: Service Manager

Test Package : IND 2 ( Additional Tests: KF, PrtCount ) Certificate 12367 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)

Report Id: ZIPKIN [WUSCAR] 06209248 (Generated: 06/16/2024 15:29:29) Rev: 1

Contact/Location: Service Manager - ZIPKIN

T:

F: