

# **OIL ANALYSIS REPORT**

Sample Rating Trend ISO

Machine Id

# 3838282 (S/N 1295)

Component Compressor

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

#### 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

There is a moderate amount of particulates present in the oil.

#### **Fluid Condition**

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

				May2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA017978		
Sample Date		Client Info		25 May 2024		
Machine Age	hrs	Client Info		36505		
Oil Age	hrs	Client Info		2000		
Oil Changed		Client Info		Changed		
Sample Status				ATTENTION		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0		
Chromium	ppm	ASTM D5185m	>10	<1		
Nickel	ppm	ASTM D5185m	>3	0		
Titanium	ppm	ASTM D5185m	>3	0		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>10	3		
Lead	ppm	ASTM D5185m	>10	<1		
Copper	ppm	ASTM D5185m	>50	21		
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	0		
Molybdenum	ppm	ASTM D5185m	0	0		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m	100	<1		
Calcium	ppm	ASTM D5185m	0	0		
Phosphorus	ppm	ASTM D5185m	0	0		
Zinc	ppm	ASTM D5185m	0	0		
Sulfur	ppm	ASTM D5185m	23500	20405		
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	2		
Water	%	ASTM D6304	>0.05	0.006		
ppm Water	ppm	ASTM D6304	>500	64		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		4467		
Particles >6µm		ASTM D7647	>1300	1000		
Particles >14µm		ASTM D7647	>80	96		
Particles >21µm		ASTM D7647	>20	<b>33</b>		
Particles >38µm		ASTM D7647	>4	8		
Particles >71μm		ASTM D7647	>3	<u> </u>		
Oil Cleanliness		ISO 4406 (c)	>/17/13	19/17/14		
FLUID DEGRADA	ATION _	method	limit/base	current	history1	history2
Asid Number (ANI)		ACTM DODAE		0.40		

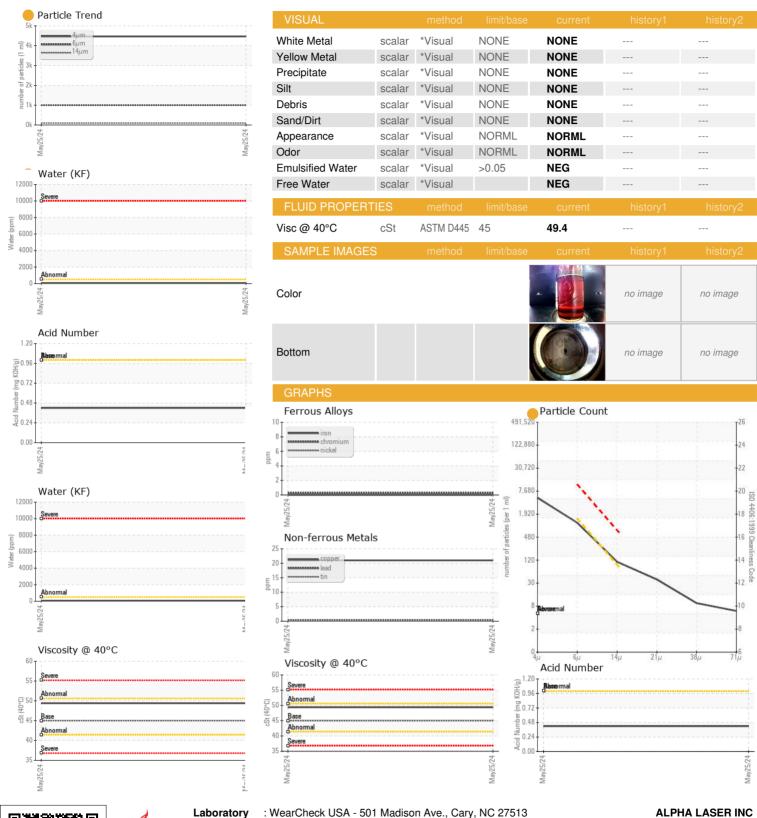
Acid Number (AN)

mg KOH/g ASTM D8045 1.0

0.42



## **OIL ANALYSIS REPORT**





Certificate 12367

Laboratory Sample No.

: KCPA017978 Lab Number : 06199176 Unique Number: 11061299

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 04 Jun 2024 **Tested** : 05 Jun 2024

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

: 06 Jun 2024 - Don Baldridge

US 92878 Contact: MOLLY molly@alphalasercutting.com T:

1801 RAILROAD ST

CORONA, CA

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: ALPCOR [WUSCAR] 06199176 (Generated: 06/06/2024 12:27:17) Rev: 1

Contact/Location: MOLLY ? - ALPCOR

F: