

# **OIL ANALYSIS REPORT**

Sample Rating Trend



# KAESER ESD 300 2551822 (

Compressor

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

**DIAGNOSIS** 

#### Recommendation

No corrective action is recommended at this time. The 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 a high 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.

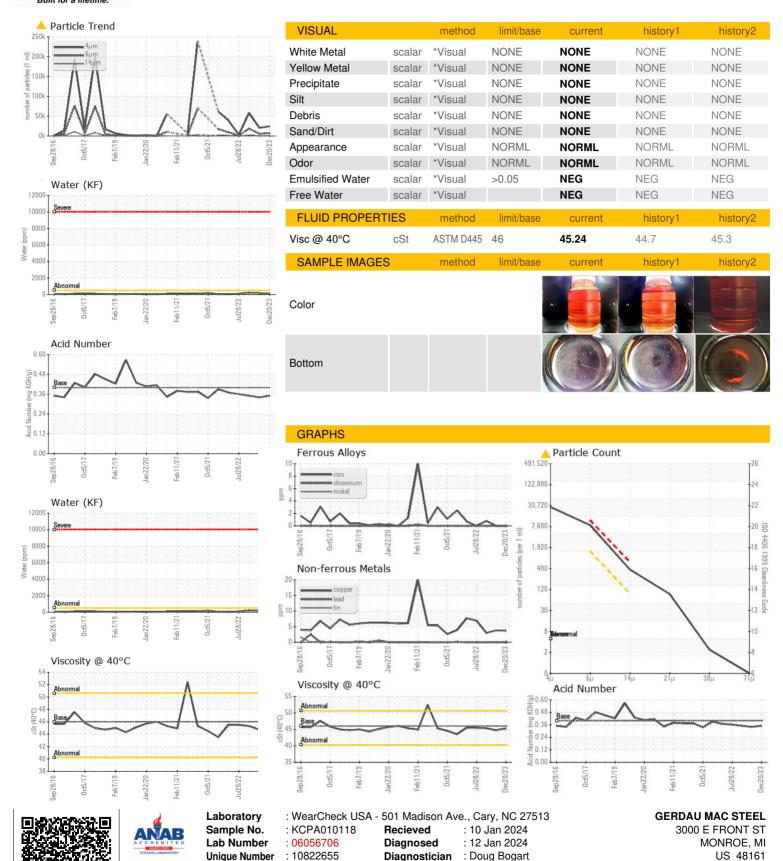
2 (S/N 1044)			9/316 Oc2(21) Feb2(31) Jan/2(20 Feb2(21) Oc2(21) Jun/2(22 Dec/2(1)						
	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2		
	Sample Number		Client Info		KCPA010118	KCPA006099	KCP46517D		
	Sample Date		Client Info		20 Dec 2023	21 Sep 2023	14 Oct 2022		
	Machine Age	hrs	Client Info		105835	104889	98541		
	Oil Age	hrs	Client Info		0	0	2353		
	Oil Changed		Client Info		N/A	N/A	Not Changd		
	Sample Status				ABNORMAL	ABNORMAL	ABNORMAL		
	WEAR METALS		method	limit/base	current	history1	history2		
	Iron	ppm	ASTM D5185m	>50	0	0	<1		
	Chromium	ppm	ASTM D5185m	>10	0	0	0		
	Nickel	ppm	ASTM D5185m	>3	0	0	0		
	Titanium	ppm	ASTM D5185m	>3	0	0	0		
	Silver	ppm	ASTM D5185m	>2	0	0	0		
	Aluminum	ppm	ASTM D5185m	>10	0	<1	2		
	Lead	ppm	ASTM D5185m	>10	0	0	0		
	Copper	ppm	ASTM D5185m	>50	4	4	3		

Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>50	4	4	3
Tin	ppm	ASTM D5185m	>10	<1	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m	90	<1	4	0
Molybdenum	ppm	ASTM D5185m		0	0	<1
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m	90	12	0	43
Calcium	ppm	ASTM D5185m	2	0	0	0
Phosphorus	ppm	ASTM D5185m		4	0	5
Zinc	ppm	ASTM D5185m		0	0	5
Sulfur	ppm	ASTM D5185m		16681	18427	20577
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	<1	0
Sodium	ppm	ASTM D5185m		10	<1	6
Potassium	ppm	ASTM D5185m	>20	3	1	6
Water	%	ASTM D6304	>0.05	0.010	0.015	0.021
ppm Water	ppm	ASTM D6304	>500	109	159.2	218.2
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647		24193	20465	57991
Particles >6µm		ASTM D7647	>1300	<b>^</b> 7292	▲ 5297	<u>▲</u> 18638
Particles >14µm		ASTM D7647	>80	<b>4</b> 391	<u>^</u> 208	<u>▲</u> 1526
Particles >21µm		ASTM D7647	>20	<b>A</b> 78	<b>4</b> 7	<b>△</b> 192

Contact/Location: ? ? - GERMON



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

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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.

Certificate L2367

Contact:

T: F: