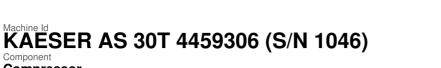


## **OIL ANALYSIS REPORT**

### Sample Rating Trend





Component Compressor

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

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

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.

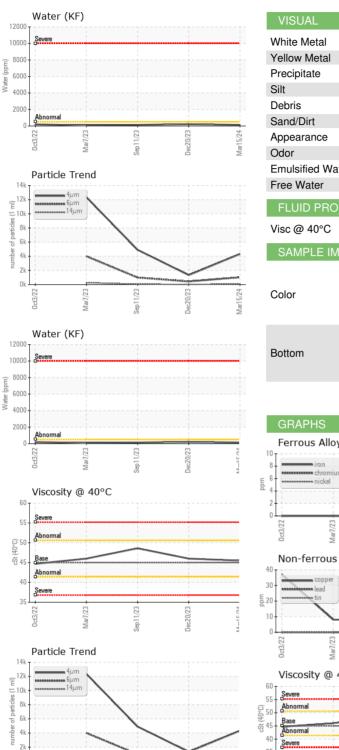
#### Fluid Condition

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

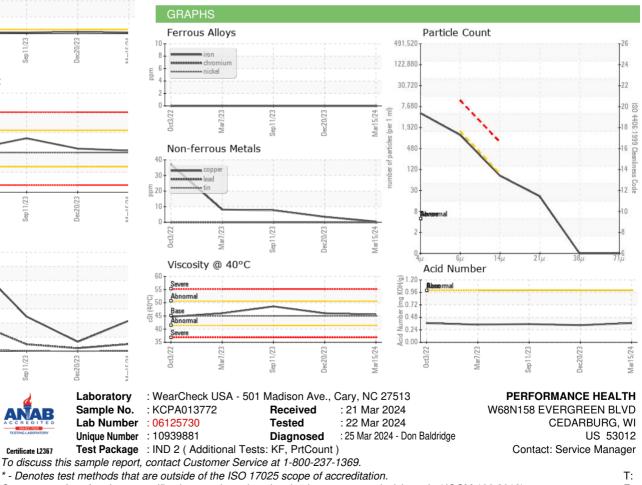
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA013772	KCPA011444	KCPA000746
Sample Date		Client Info		15 Mar 2024	20 Dec 2023	11 Sep 2023
Machine Age	hrs	Client Info		12523	12358	12169
Oil Age	hrs	Client Info		200	0	0
Oil Changed		Client Info		Not Changd	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	0	0
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	0	0
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>50	<1	4	8
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	0
Barium	ppm	ASTM D5185m	90	82	69	60
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m	100	83	74	76
Calcium	ppm	ASTM D5185m	0	3	0	2
Phosphorus	ppm	ASTM D5185m	0	0	0	2
Zinc	ppm	ASTM D5185m	0	0	3	4
Sulfur	ppm	ASTM D5185m	23500	22058	18203	21642
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	<1
Sodium	ppm	ASTM D5185m		12	10	20
Potassium	ppm	ASTM D5185m	>20	<1	<1	5
Water	%	ASTM D6304	>0.05	0.014	0.021	0.013
ppm Water	ppm	ASTM D6304	>500	141	216	139.8
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		4318	1334	4915
Particles >6µm		ASTM D7647	>1300	1024	442	993
Particles >14µm		ASTM D7647	>80	70	20	60
Particles >21µm		ASTM D7647	>20	18	5	20
Particles >38µm		ASTM D7647	>4	0	0	1
Particles >71µm		ASTM D7647	>3	0	0	1
Oil Cleanliness		ISO 4406 (c)	>/17/13	19/17/13	18/16/11	19/17/13
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.37	0.33	0.35



# **OIL ANALYSIS REPORT**







F:

Certificate L2367

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Aar7/23

Contact/Location: Service Manager - PERCED