

## **OIL ANALYSIS REPORT**

Sample Number

Sample Date

Machine Age

Oil Changed

Sample Status

WEAR METALS

Oil Age

Iron

Nickel

Silver

Lead

Tin

Copper

Vanadium

Cadmium

Titanium

Aluminum

Chromium

### KAESER CSD 125 7941425 (S/N 1084) Component

Compressor

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

#### DIAGNOSIS

#### Recommendation

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

#### Wear

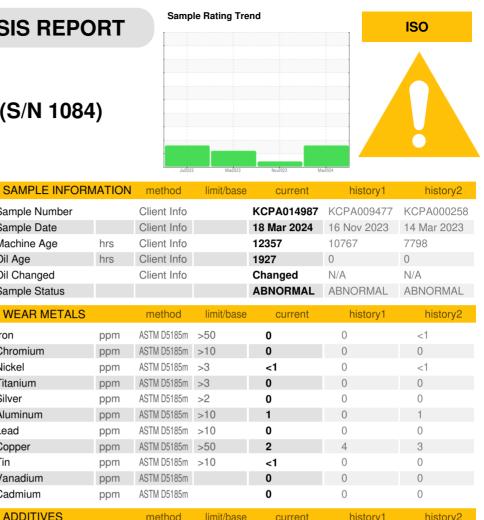
All component wear rates are normal.

#### 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 acceptable for the time in service.



ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	0
Barium	ppm	ASTM D5185m	90	72	2	58
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	100	86	27	55
Calcium	ppm	ASTM D5185m	0	2	0	1
Phosphorus	ppm	ASTM D5185m	0	0	2	7
Zinc	ppm	ASTM D5185m	0	<1	0	2
Sulfur	ppm	ASTM D5185m	23500	23751	17816	22249

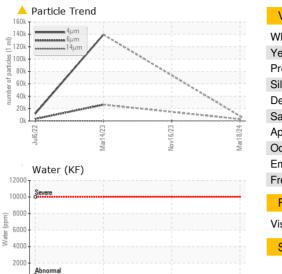
CONTAMINA	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	0	1
Sodium	ppm	ASTM D5185m		14	11	0
Potassium	ppm	ASTM D5185m	>20	4	<1	2
Water	%	ASTM D6304	>0.05	0.023	0.018	0.011
ppm Water	ppm	ASTM D6304	>500	230	188	114.8
FLUID CLEANLINESS		method	limit/base	current	history1	historv2

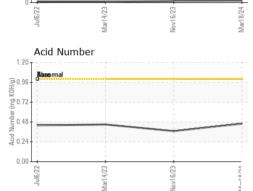
Particles >4µm	ASTM D76	47	7984		139511
Particles >6µm	ASTM D76	47 >1300	<u> </u>		<u> </u>
Particles >14µm	ASTM D76	47 >80	<b>A</b> 379		0100
Particles >21µm	ASTM D76	47 >20	<u> </u>		7
Particles >38µm	ASTM D76	47 >4	6		1
Particles >71µm	ASTM D76	47 >3	0		0
Oil Cleanliness	ISO 4406	(c) >/17/13	3 🔺 20/19/16		▲ 24/22/14
FLUID DEGRADATI	ON method	limit/bas	se current	history1	history2
Acid Number (AN) mg	g KOH/g ASTM D80	45 1.0	0.46	0.37	0.45

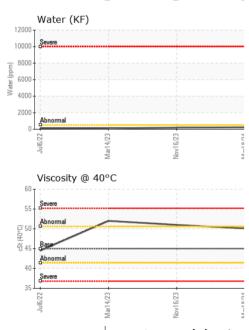
mg KOH/g ASTM D8045



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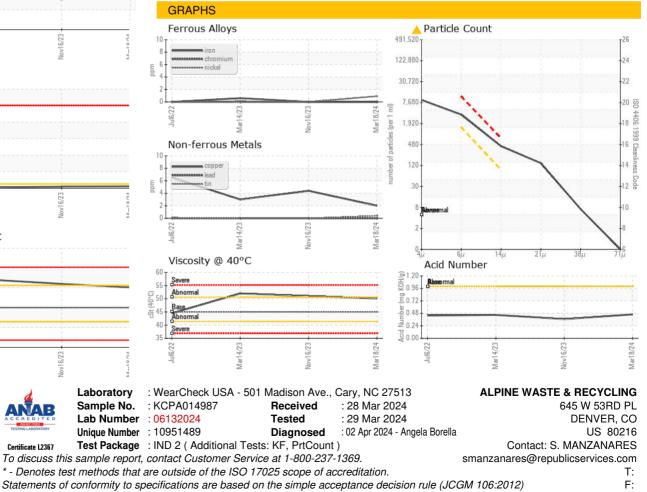




VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	🔺 MODER	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	45	50.1	51.0	52.0
SAMPLE IMAGES	6	method	limit/base	current	history1	history2
Color Color						

Bottom





Certificate L2367

Contact/Location: S. MANZANARES - ALPDEN