

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

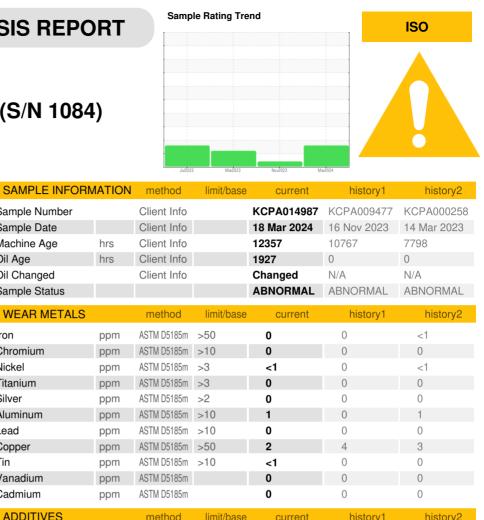
All component wear rates are normal.

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

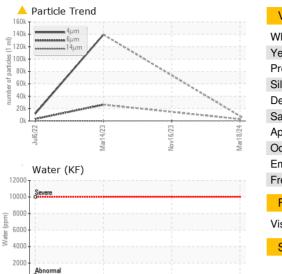
CONTAMINA	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	0	1
Sodium	ppm	ASTM D5185m		14	11	0
Potassium	ppm	ASTM D5185m	>20	4	<1	2
Water	%	ASTM D6304	>0.05	0.023	0.018	0.011
ppm Water	ppm	ASTM D6304	>500	230	188	114.8
FLUID CLEANLINESS		method	limit/base	current	history1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

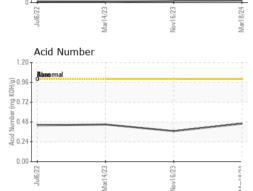
Particles >4µm	ASTM D76	47	7984		139511
Particles >6µm	ASTM D76	47 >1300	<u> </u>		<u> </u>
Particles >14µm	ASTM D76	47 >80	A 379		0100
Particles >21µm	ASTM D76	47 >20	<u> </u>		7
Particles >38µm	ASTM D76	47 >4	6		1
Particles >71µm	ASTM D76	47 >3	0		0
Oil Cleanliness	ISO 4406	(c) >/17/13	3 🔺 20/19/16		▲ 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

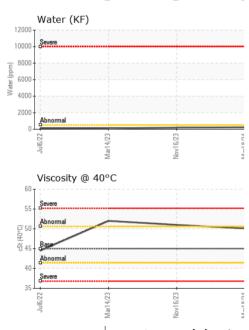
mg KOH/g ASTM D8045



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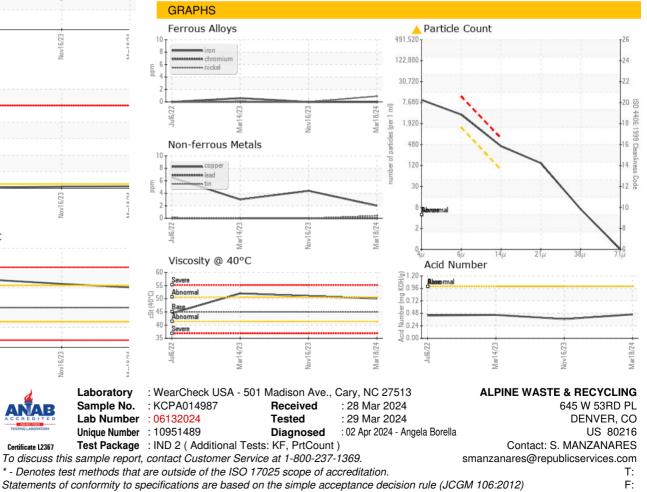




VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	🔺 MODER	NONE
Sand/Dirt	scalar	*Visual	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