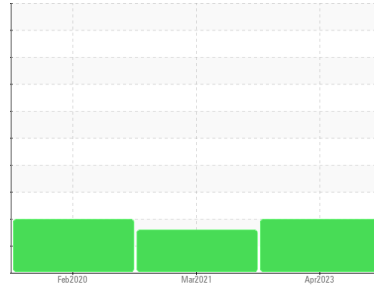




PROBLEM SUMMARY

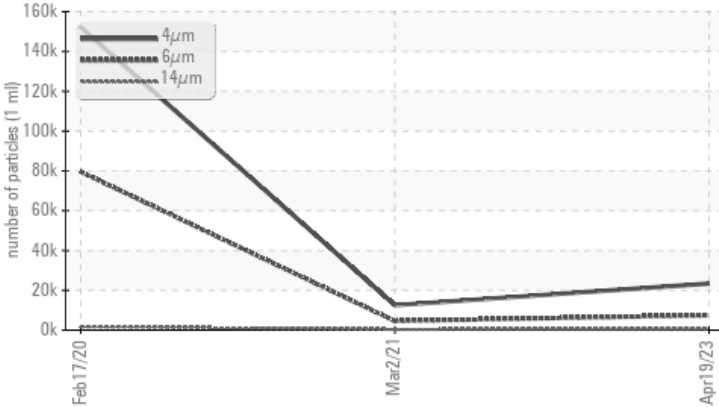
Sample Rating Trend



Machine Id
6883701 (S/N 1035)
 Component
Compressor
 Fluid
KAESER SIGMA (OEM) S-460 (--- GAL)

COMPONENT CONDITION SUMMARY

▲ Particle Trend



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.

PROBLEMATIC TEST RESULTS

Sample Status			ABNORMAL	ABNORMAL	ABNORMAL
Particles >6µm	ASTM D7647	>1300	▲ 7490	▲ 4567	▲ 79594
Particles >14µm	ASTM D7647	>80	▲ 554	▲ 352	▲ 1719
Particles >21µm	ASTM D7647	>20	▲ 144	▲ 63	▲ 206
Particles >38µm	ASTM D7647	>4	▲ 6	1	▲ 12
Oil Cleanliness	ISO 4406 (c)	>--/17/13	▲ 22/20/16	▲ 19/16	▲ 23/18

Customer Id: COMWAU
 Sample No.: KC105797
 Lab Number: 05933630
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Don Baldrige +1
don.b505@comcast.net

To change component or sample information:
 Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Fluid	---	---	?	Oil and filter change at the time of sampling has been noted.
Change Filter	---	---	?	Oil and filter change at the time of sampling has been noted.

HISTORICAL DIAGNOSIS

02 Mar 2021 Diag: Angela Borella

VISCOSITY



No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of particulates present in the oil. The oil viscosity is higher than normal. The condition of the oil is acceptable for the time in service.

[view report](#)



17 Feb 2020 Diag: Doug Bogart

VISCOSITY



No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of particulates present in the oil. The oil viscosity is higher than normal. The condition of the oil is acceptable for the time in service.

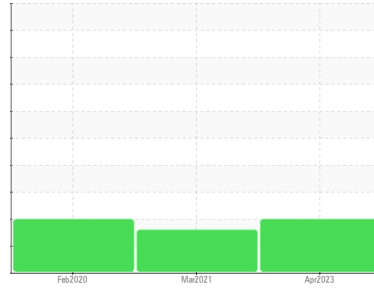
[view report](#)





OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id
6883701 (S/N 1035)
 Component
Compressor
 Fluid
KAESER SIGMA (OEM) S-460 (--- GAL)

DIAGNOSIS

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 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.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		KC105797	KC73256	KC88473
Sample Date	Client Info		19 Apr 2023	02 Mar 2021	17 Feb 2020
Machine Age	hrs	Client Info	2399	1084	284
Oil Age	hrs	Client Info	1314	800	284
Oil Changed	Client Info		Changed	Changed	Changed
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	<1
Silver	ppm	ASTM D5185m >2	0	0	0
Aluminum	ppm	ASTM D5185m >10	0	0	0
Lead	ppm	ASTM D5185m >10	0	0	<1
Copper	ppm	ASTM D5185m >50	0	2	1
Tin	ppm	ASTM D5185m >10	0	<1	0
Antimony	ppm	ASTM D5185m	---	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	2	<1
Barium	ppm	ASTM D5185m 90	91	0	0
Molybdenum	ppm	ASTM D5185m	0	0	<1
Manganese	ppm	ASTM D5185m	0	0	0
Magnesium	ppm	ASTM D5185m 90	91	5	0
Calcium	ppm	ASTM D5185m 2	5	0	0
Phosphorus	ppm	ASTM D5185m	<1	6	0
Zinc	ppm	ASTM D5185m	0	0	5

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	0	0	3
Sodium	ppm	ASTM D5185m	<1	<1	0
Potassium	ppm	ASTM D5185m >20	0	0	9
Water	%	ASTM D6304 >0.05	0.025	0.021	0.025
ppm Water	ppm	ASTM D6304 >500	259.7	214.7	257.8

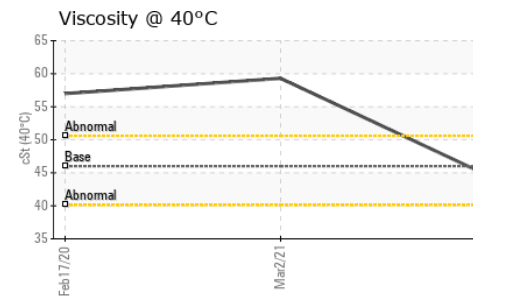
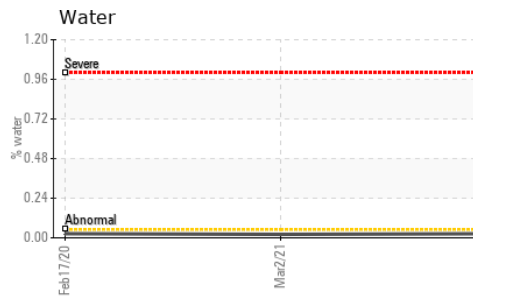
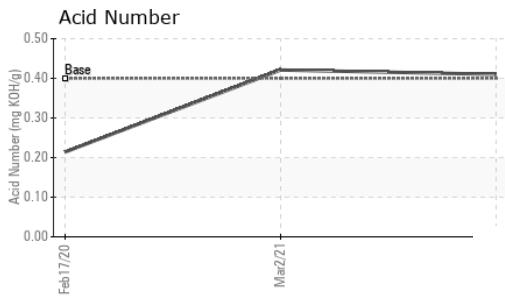
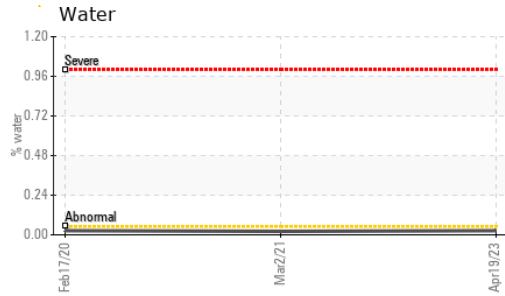
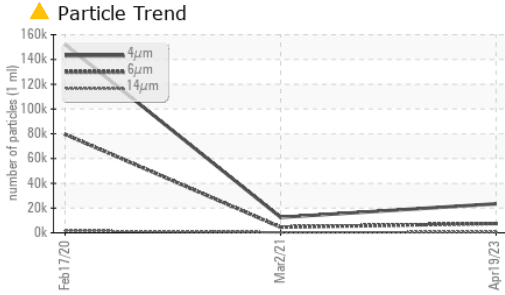
FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647		23415	12518	152212
Particles >6µm	ASTM D7647	>1300	▲ 7490	▲ 4567	▲ 79594
Particles >14µm	ASTM D7647	>80	▲ 554	▲ 352	▲ 1719
Particles >21µm	ASTM D7647	>20	▲ 144	▲ 63	▲ 206
Particles >38µm	ASTM D7647	>4	▲ 6	1	▲ 12
Particles >71µm	ASTM D7647	>3	0	0	3
Oil Cleanliness	ISO 4406 (c)	>--/17/13	▲ 22/20/16	▲ 19/16	▲ 23/18

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.4	0.41	0.421	0.214

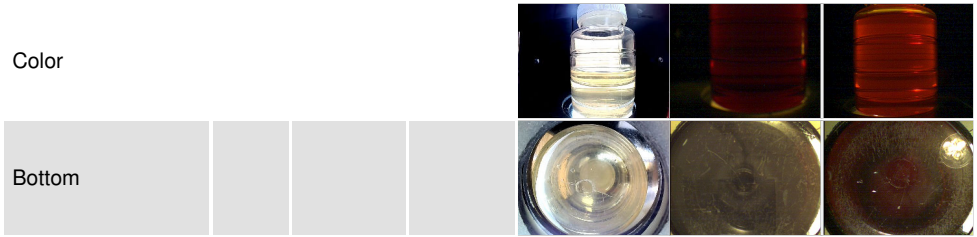
OIL ANALYSIS REPORT



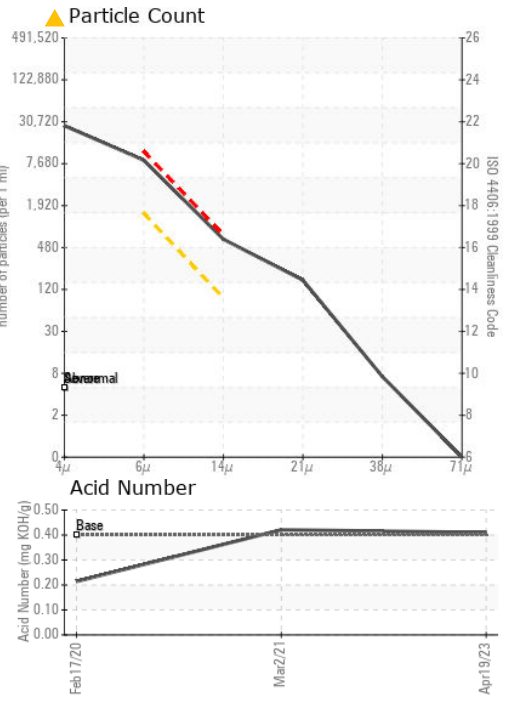
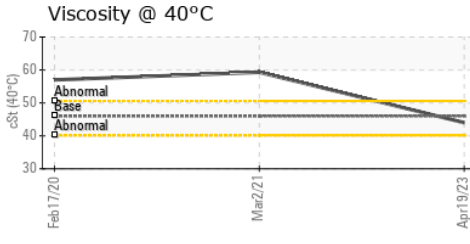
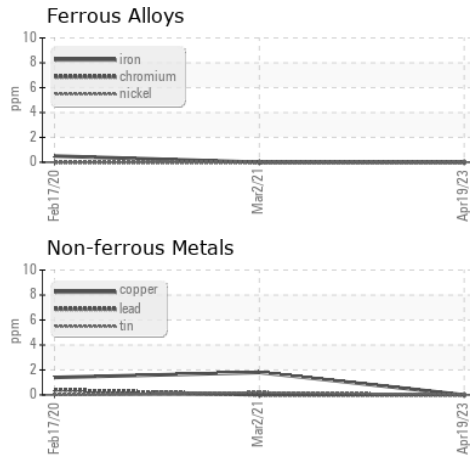
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 46	44.0	▲ 59.3	▲ 56.99

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
 Sample No. : KC105797
 Lab Number : 05933630
 Unique Number : 10618901
 Test Package : IND 2

Received : 24 Aug 2023
 Diagnosed : 25 Aug 2023
 Diagnostician : Don Baldrige

COMPRESS LLC
 16701 CR AC
 WAUSEON, OH
 US 43567
 Contact: Service Manager

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)

T:
F: