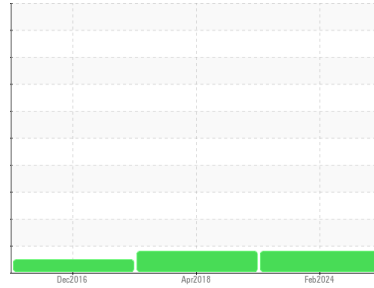


OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Machine Id
KAESER COMP 2 - TAPCO (S/N 1077)

Component
Compressor

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

The tin level has decreased, but is still abnormal. All other component wear rates are normal.

Contamination

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 INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			UCH06101768	UCH04462132	UCH04123029
Sample Date	Client Info			09 Feb 2024	12 Apr 2018	07 Dec 2016
Machine Age	hrs	Client Info		76812	48579	42007
Oil Age	hrs	Client Info		1033	3979	0
Oil Changed	Client Info			N/A	Not Changd	Changed
Sample Status				ATTENTION	ABNORMAL	NORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>0.05	NEG	NEG	NEG

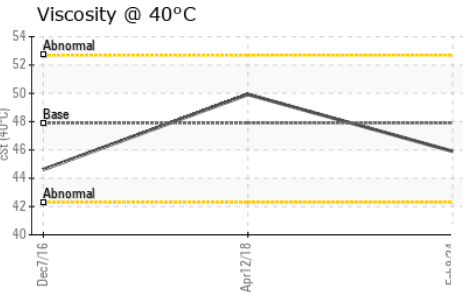
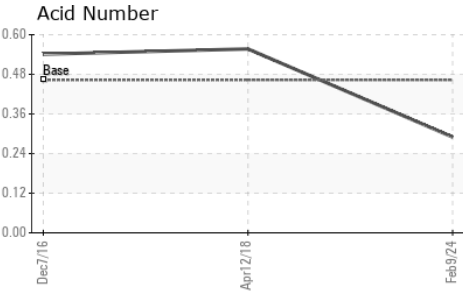
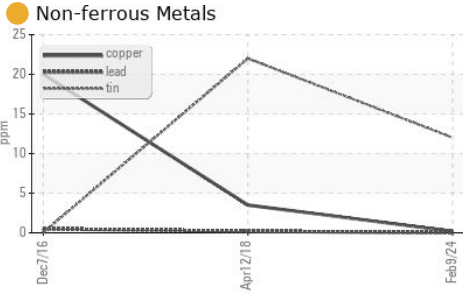
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	<1	0
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>3	0	0	<1
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>10	0	1	0
Lead	ppm	ASTM D5185m	>10	0	<1	<1
Copper	ppm	ASTM D5185m	>50	<1	4	20
Tin	ppm	ASTM D5185m	>10	12	22	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	1.5	0	0	<1
Barium	ppm	ASTM D5185m	0	0	<1	<1
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m	0.3	0	<1	0
Magnesium	ppm	ASTM D5185m	0	0	43	<1
Calcium	ppm	ASTM D5185m	0	2	1	0
Phosphorus	ppm	ASTM D5185m	406	241	1	1
Zinc	ppm	ASTM D5185m	0	0	20	<1
Sulfur	ppm	ASTM D5185m	1283	874	17867	13718

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	<1
Sodium	ppm	ASTM D5185m		<1	26	<1
Potassium	ppm	ASTM D5185m	>20	0	15	10

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.463	0.29	0.557	0.541

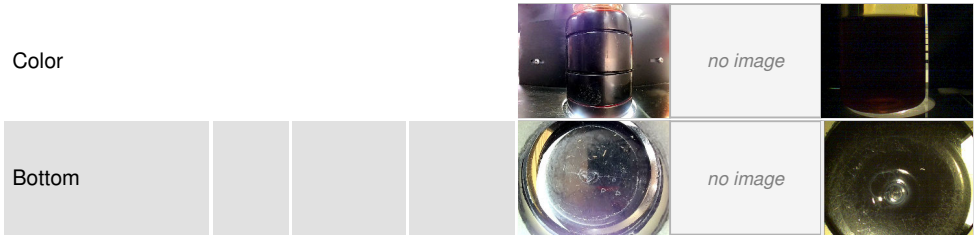
OIL ANALYSIS REPORT



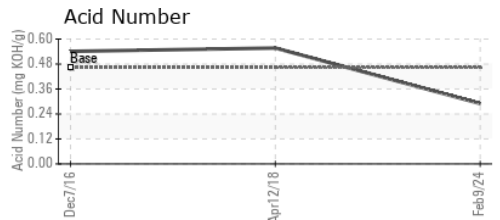
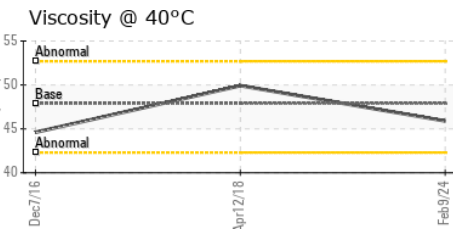
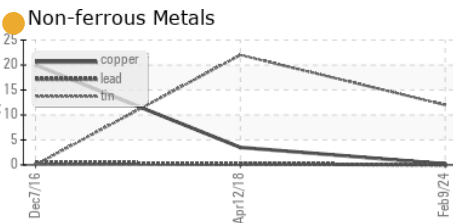
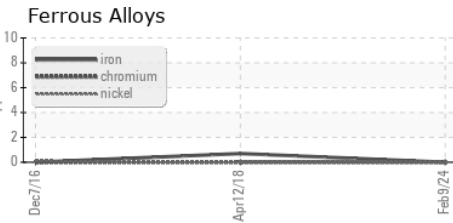
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	MODER
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	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	47.9	45.9	49.92

SAMPLE IMAGES	method	limit/base	current	history1	history2
---------------	--------	------------	---------	----------	----------



GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCH06101768 **Received** : 27 Feb 2024
Lab Number : 06101768 **Tested** : 28 Feb 2024
Unique Number : 10899998 **Diagnosed** : 29 Feb 2024 - Don Baldrige
Test Package : IND 2

AIR TECHNOLOGIES INC (MID)
 400 WRIGHT AVE
 MIDDLETOWN, OH
 US 45044
 Contact: Josh Oaks
 josh.oaks@aircompressors.com

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: (513)539-6040