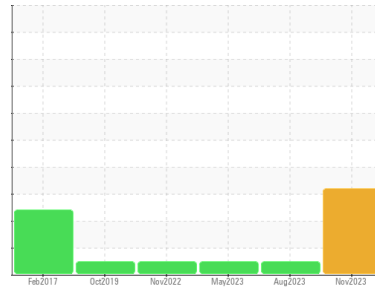




OIL ANALYSIS REPORT

Sample Rating Trend



WATER



Area

S-460 [1397782]

Machine Id

KAESER 202812 - TOWER AUTOMOTIVE

Component

Compressor

DIAGNOSIS

Recommendation

We advise that you follow the water drain-off procedure for this component. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

Contamination

Excessive free water present. There is a light concentration of water present in the oil. Moderate concentration of visible dirt/debris 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		UCH06181463	UCH05947348	UCH05865778
Sample Date	Client Info		10 Nov 2023	29 Aug 2023	26 May 2023
Machine Age	hrs	Client Info	71281	71277	71275
Oil Age	hrs	Client Info	982	978	976
Oil Changed	Client Info		Not Changed	Not Changed	Not Changed
Sample Status			ATTENTION	NORMAL	NORMAL

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	0	0	0
Chromium	ppm	ASTM D5185m >10	<1	0	0
Nickel	ppm	ASTM D5185m >3	<1	0	0
Titanium	ppm	ASTM D5185m >3	<1	0	0
Silver	ppm	ASTM D5185m >2	<1	0	0
Aluminum	ppm	ASTM D5185m >10	1	<1	0
Lead	ppm	ASTM D5185m >10	<1	0	0
Copper	ppm	ASTM D5185m >50	<1	0	0
Tin	ppm	ASTM D5185m >10	<1	0	0
Vanadium	ppm	ASTM D5185m	<1	0	0
Cadmium	ppm	ASTM D5185m	<1	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0
Barium	ppm	ASTM D5185m 90	1	0	0
Molybdenum	ppm	ASTM D5185m	<1	0	0
Manganese	ppm	ASTM D5185m	<1	0	0
Magnesium	ppm	ASTM D5185m 90	1	0	0
Calcium	ppm	ASTM D5185m 2	5	0	0
Phosphorus	ppm	ASTM D5185m	184	211	215
Zinc	ppm	ASTM D5185m	5	0	0
Sulfur	ppm	ASTM D5185m	896	1011	1107

CONTAMINANTS

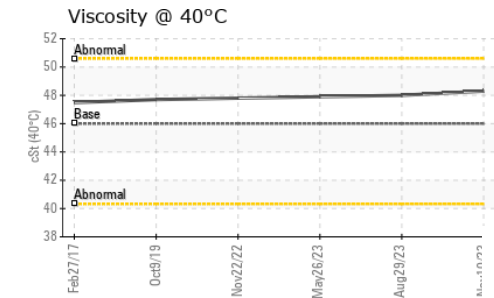
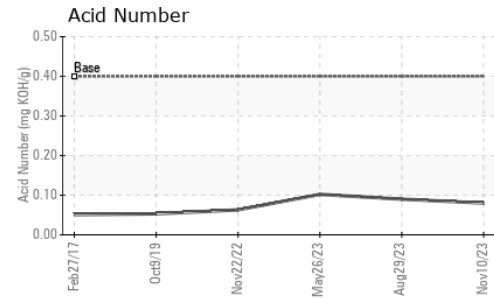
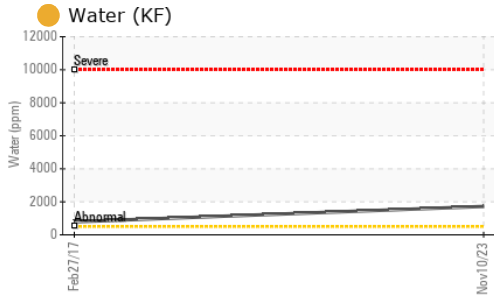
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	4	<1	0
Sodium	ppm	ASTM D5185m	0	<1	<1
Potassium	ppm	ASTM D5185m >20	1	0	0
Water	%	ASTM D6304 >0.05	0.172	---	---
ppm Water	ppm	ASTM D6304 >500	1720	---	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.4	0.08	0.09	0.102



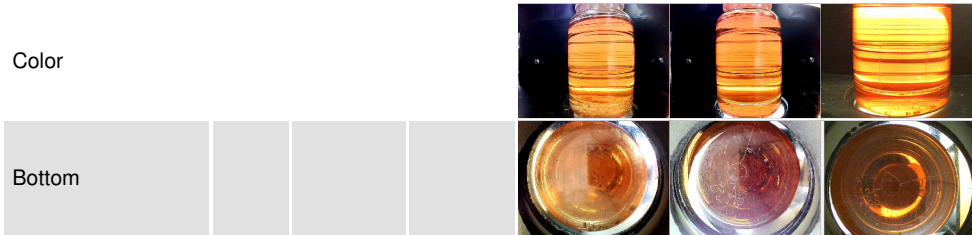
OIL ANALYSIS REPORT



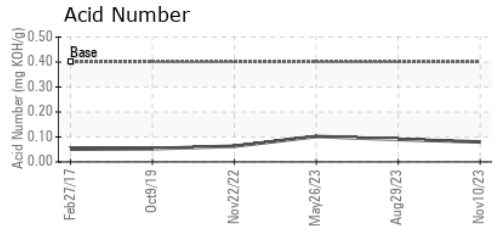
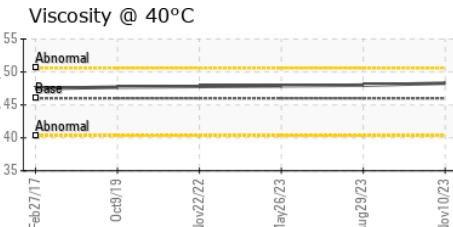
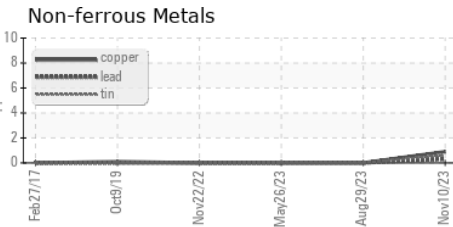
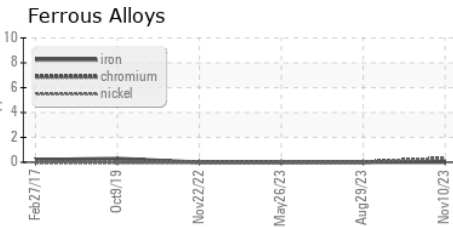
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	LIGHT	NONE
Debris	scalar	*Visual	NONE	MODER	MODER
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	0.2%	NEG
Free Water	scalar	*Visual	● >10%	NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 46	48.3	48.0	47.9

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. : UCH06181463 **Received** : 16 May 2024
Lab Number : 06181463 **Tested** : 17 May 2024
Unique Number : 11032789 **Diagnosed** : 20 May 2024 - Jonathan Hester
Test Package : IND 2 (Additional Tests: KF)

AIR TECHNOLOGIES INC (IND)
 8405 E 30TH ST
 INDIANAPOLIS, IN
 US 46219
 Contact: GLEN PARKER
 glen.parker@aircompressors.com
 T: (765)516-4920
 F:

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)