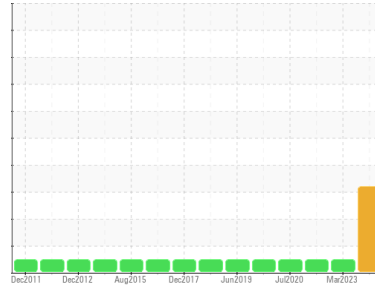




PROBLEM SUMMARY

Area
AIRLUBE PLUS 10
 Machine Id
ATLAS COPCO ARP900049 - MAGNI-POWER
 Component
Compressor

Sample Rating Trend

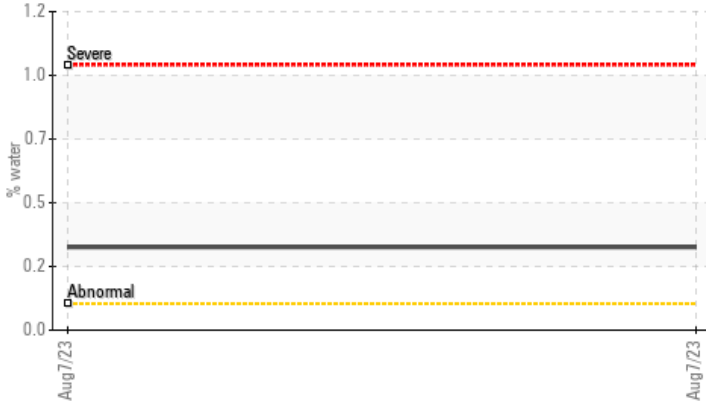


WATER



COMPONENT CONDITION SUMMARY

▲ Water



RECOMMENDATION

Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status				ATTENTION	NORMAL	NORMAL
Water	%	ASTM D6304	>0.1	▲ 0.313	---	---
ppm Water	ppm	ASTM D6304	>1000	▲ 3130	---	---
Emulsified Water	scalar	*Visual	>0.1	▲ 0.2%	NEG	NEG
Free Water	scalar	*Visual		▲ 1.0	NEG	NEG

Customer Id: UCAIRCLE
 Sample No.: UCH05934894
 Lab Number: 05934894
 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.
Resample	---	---	?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS

01 Mar 2023 Diag: Don Baldrige

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



29 Jun 2021 Diag: Don Baldrige

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



27 Jul 2020 Diag: Don Baldrige

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

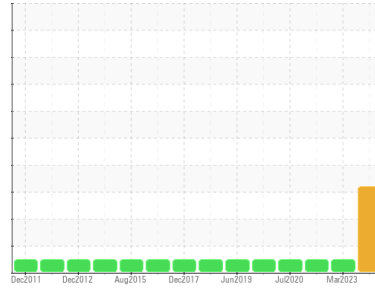
view report





OIL ANALYSIS REPORT

Sample Rating Trend



WATER



Area
AIRLUBE PLUS 10
 Machine Id
ATLAS COPCO ARP900049 - MAGNI-POWER
 Component
Compressor

DIAGNOSIS

▲ Recommendation

Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

▲ Contamination

There is a light concentration of water present in the oil. Free water present.

Fluid Condition

The AN level is acceptable for this fluid.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		UCH05934894	UCH05789815	UCH05325741
Sample Date	Client Info		07 Aug 2023	01 Mar 2023	29 Jun 2021
Machine Age	hrs	Client Info	66709	66825	64329
Oil Age	hrs	Client Info	3484	146	1105
Oil Changed	Client Info		Changed	Not Changd	Not Changd
Sample Status			ATTENTION	NORMAL	NORMAL

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	16	20	1
Chromium	ppm	ASTM D5185m >5	0	0	0
Nickel	ppm	ASTM D5185m	0	0	0
Titanium	ppm	ASTM D5185m	0	0	0
Silver	ppm	ASTM D5185m	<1	<1	0
Aluminum	ppm	ASTM D5185m >15	0	1	0
Lead	ppm	ASTM D5185m >65	0	0	2
Copper	ppm	ASTM D5185m >65	1	<1	<1
Tin	ppm	ASTM D5185m >10	0	0	0
Antimony	ppm	ASTM D5185m	---	---	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 0.1	0	0	4
Barium	ppm	ASTM D5185m 0.8	4	3	0
Molybdenum	ppm	ASTM D5185m 0	0	0	0
Manganese	ppm	ASTM D5185m 0.9	<1	<1	0
Magnesium	ppm	ASTM D5185m 0	1	1	1
Calcium	ppm	ASTM D5185m 0	2	1	<1
Phosphorus	ppm	ASTM D5185m 409	295	335	252
Zinc	ppm	ASTM D5185m 0	33	36	15
Sulfur	ppm	ASTM D5185m 1290	261	308	254

CONTAMINANTS

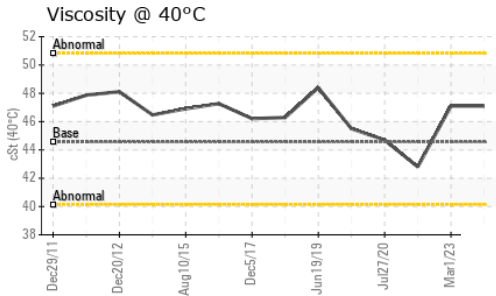
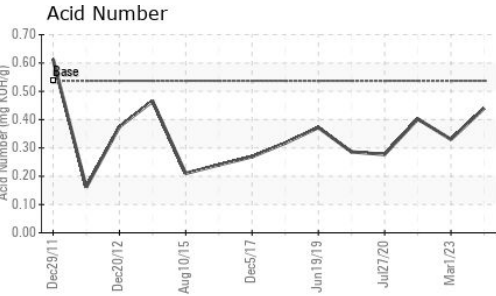
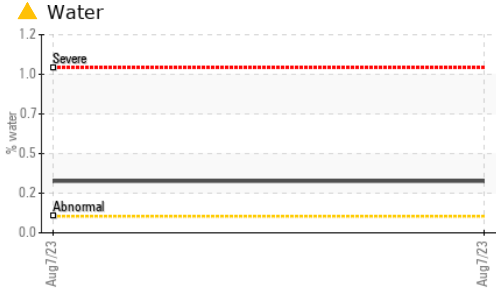
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >35	<1	0	0
Sodium	ppm	ASTM D5185m	0	0	4
Potassium	ppm	ASTM D5185m >20	2	2	0
Water	%	ASTM D6304 >0.1	▲ 0.313	---	---
ppm Water	ppm	ASTM D6304 >1000	▲ 3130	---	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.537	0.44	0.33	0.402



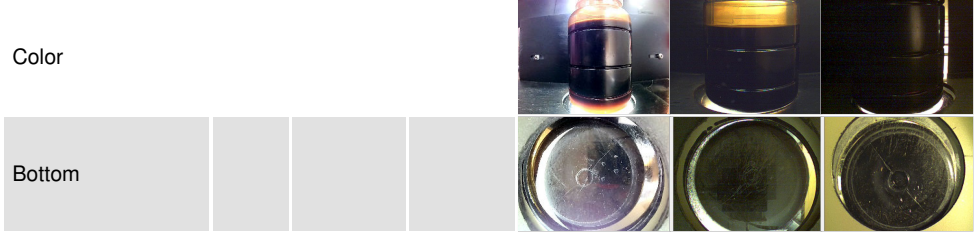
OIL ANALYSIS REPORT



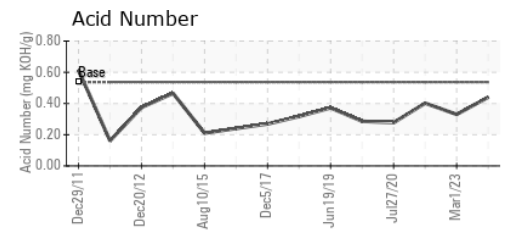
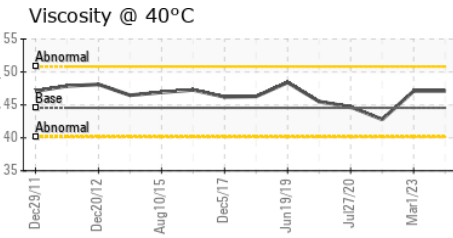
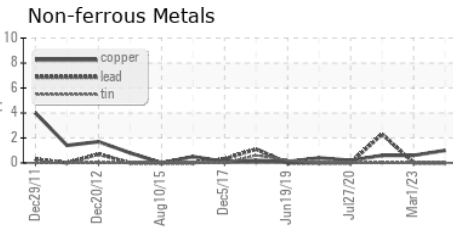
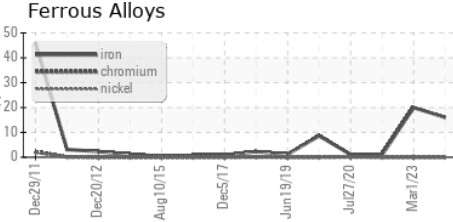
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	▲ 0.2%	NEG
Free Water	scalar	*Visual		▲ 1.0	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	44.56	47.1	42.8

SAMPLE IMAGES



GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCH05934894 **Received** : 25 Aug 2023
Lab Number : 05934894 **Diagnosed** : 28 Aug 2023
Unique Number : 10620165 **Diagnostician** : Don Baldrige
Test Package : IND 2 (Additional Tests: KF)

AIR TECHNOLOGIES INC (CLE)
 6500 DAVIS INDUSTRIAL PARKWAY
 CLEVELAND, OH
 US 44139
 Contact: DERRICK PAES
 DPAES@AIRCOMPRESSORS.COM
 T: (440)349-3900
 F: (440)349-0608

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)