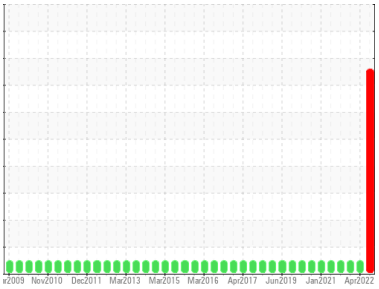
PROBLEM SUMMARY

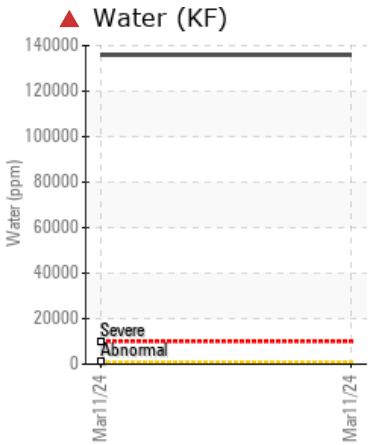
Area
ACS-46-5 [417434]
Machine Id
ATLAS COPCO AII357389 - JOHNSON AND JOHNSON
Component
Compressor

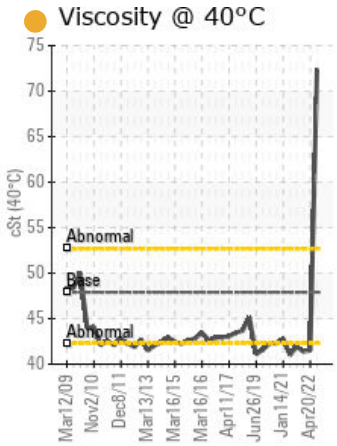
Sample Rating Trend

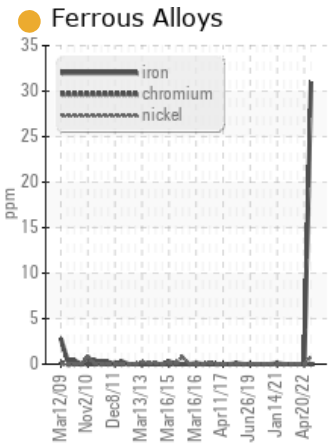


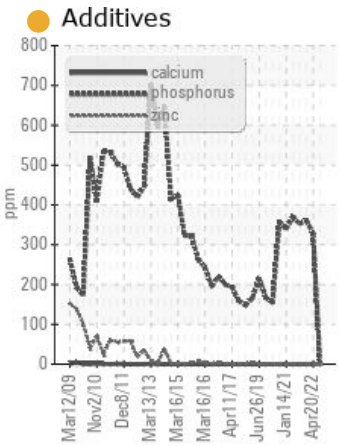
WATER

COMPONENT CONDITION SUMMARY









RECOMMENDATION

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

PROBLEMATIC TEST RESULTS

Sample Status				**SEVERE**	NORMAL	NORMAL
Water	%	ASTM D6304	>0.1	▲ **13.6**	---	---
ppm Water	ppm	ASTM D6304	>1000	▲ **136000**	---	---
Silt	scalar	*Visual	NONE	▲ **HEAVY**	NONE	NONE
Debris	scalar	*Visual	NONE	▲ **MODER**	VLITE	NONE
Emulsified Water	scalar	*Visual	>0.1	▲ **0.2%**	NEG	NEG

Customer Id: UCAIRCAR
Sample No.: UCH06125743
Lab Number: 06125743
Test Package: IND 2

To manage this report scan the QR code

To discuss the diagnosis or test data:
Jonathan Hester +1 919-379-4092 x4092
jhester@wearcheckusa.com

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

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Water Drain-off	---	---	?	We advise that you follow the water drain-off procedure for this component.
Resample	---	---	?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS

20 Apr 2022 Diag: Doug Bogart

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

31 Jan 2022 Diag: Angela Borella

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

12 Oct 2021 Diag: Angela Borella

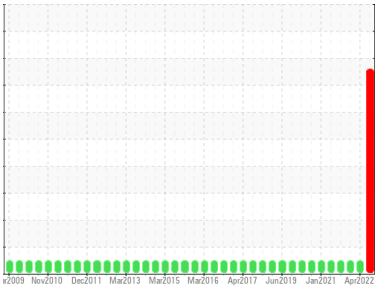
NORMAL

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
ACS-46-5 [417434]
Machine Id
ATLAS COPCO AII357389 - JOHNSON AND JOHNSON
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

An increase in the iron level is noted.

Contamination

Appearance is milky. There is a high concentration of water present in the oil. Moderate concentration of visible dirt/debris present in the oil. There is a high amount of visible silt present in the sample.

Fluid Condition

The oil viscosity is higher than normal. Additive levels indicate the addition of a different brand, or type of oil. The AN level is acceptable for this fluid.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**UCH06125743**	UCH05534127	UCH05468900
Sample Date		Client Info		**11 Mar 2024**	20 Apr 2022	31 Jan 2022
Machine Age	hrs	Client Info		**167450**	150910	149022
Oil Age	hrs	Client Info		**2967**	8473	6585
Oil Changed		Client Info		**Not Changd**	Changed	Not Changd
Sample Status				**SEVERE**	NORMAL	NORMAL

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	● **31**	0	0
Chromium	ppm	ASTM D5185m	>10	**0**	0	0
Nickel	ppm	ASTM D5185m		**<1**	0	0
Titanium	ppm	ASTM D5185m		**0**	0	0
Silver	ppm	ASTM D5185m		**0**	0	0
Aluminum	ppm	ASTM D5185m	>25	**<1**	<1	<1
Lead	ppm	ASTM D5185m	>25	**0**	<1	0
Copper	ppm	ASTM D5185m	>50	**0**	<1	<1
Tin	ppm	ASTM D5185m	>15	**2**	0	0
Antimony	ppm	ASTM D5185m		**---**	---	0
Vanadium	ppm	ASTM D5185m		**0**	0	0
Cadmium	ppm	ASTM D5185m		**<1**	0	0

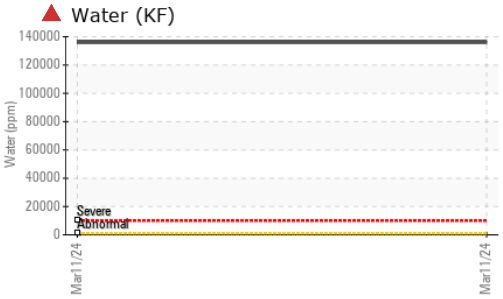
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	1.5	**5**	0	0
Barium	ppm	ASTM D5185m	0	● **117**	0	0
Molybdenum	ppm	ASTM D5185m	0	**0**	0	0
Manganese	ppm	ASTM D5185m	0.3	**<1**	0	0
Magnesium	ppm	ASTM D5185m	0	**2**	0	0
Calcium	ppm	ASTM D5185m	0	**<1**	0	0
Phosphorus	ppm	ASTM D5185m	406	● **6**	328	360
Zinc	ppm	ASTM D5185m	0	**0**	0	0
Sulfur	ppm	ASTM D5185m	1283	● **590**	717	611

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	**<1**	4	4
Sodium	ppm	ASTM D5185m		**77**	0	0
Potassium	ppm	ASTM D5185m	>20	**6**	<1	0
Water	%	ASTM D6304	>0.1	▲ **13.6**	---	---
ppm Water	ppm	ASTM D6304	>1000	▲ **136000**	---	---

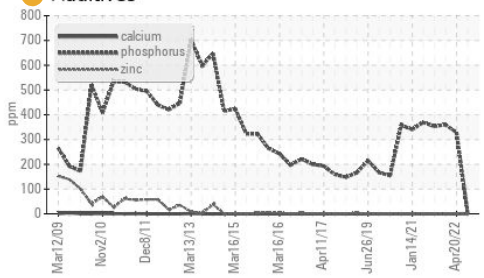
FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.463	**0.27**	0.44	0.30

OIL ANALYSIS REPORT

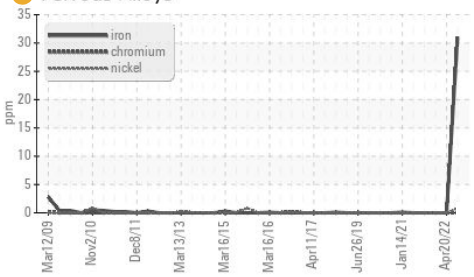
Water (KF)



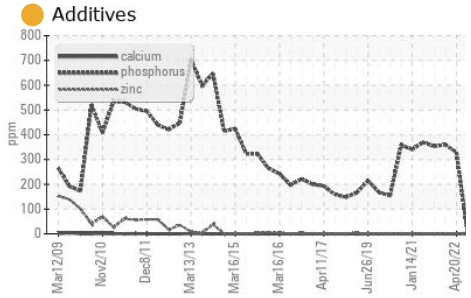
Additives



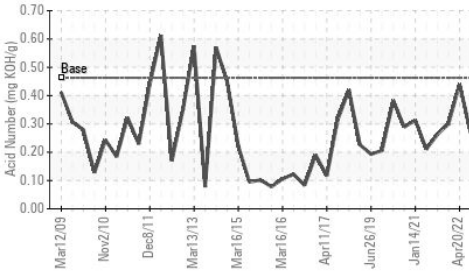
Ferrous Alloys



Additives

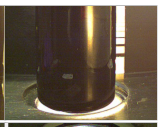
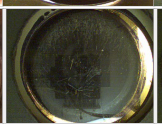
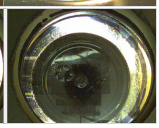


Acid Number



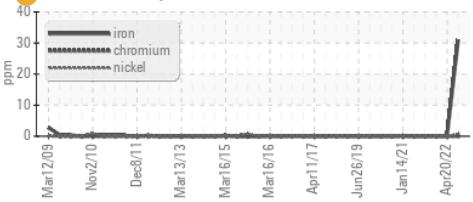
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silt	scalar	*Visual	NONE	▲ **HEAVY**	NONE	NONE
Debris	scalar	*Visual	NONE	▲ **MODER**	VLITE	NONE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

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	47.9	● **72.4**	41.5	41.4

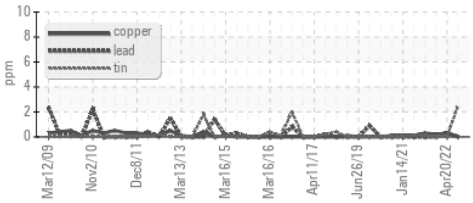
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

GRAPHS

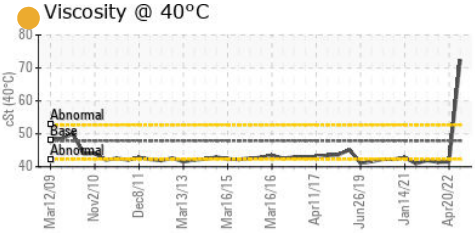
Ferrous Alloys



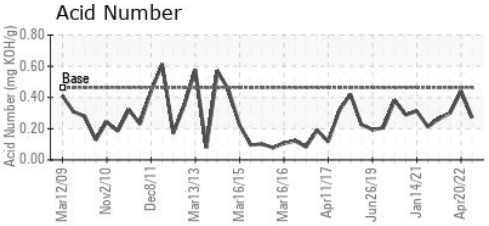
Non-ferrous Metals



Viscosity @ 40°C



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCH06125743
Lab Number : 06125743
Unique Number : 10939894
Test Package : IND 2 (Additional Tests: KF)

Received : 21 Mar 2024
Tested : 26 Mar 2024
Diagnosed : 26 Mar 2024 - Jonathan Hester

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)

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T: (800)864-7621
F: (201)342-6241

Report Id: UCAIRCAR [WUSCAR] 06125743 (Generated: 03/26/2024 19:05:26) Rev: 1

Contact/Location: ELVIN DIAZ - UCAIRCAR