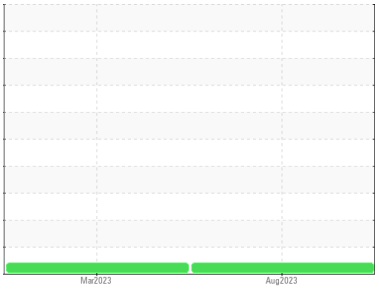
PROBLEM SUMMARY

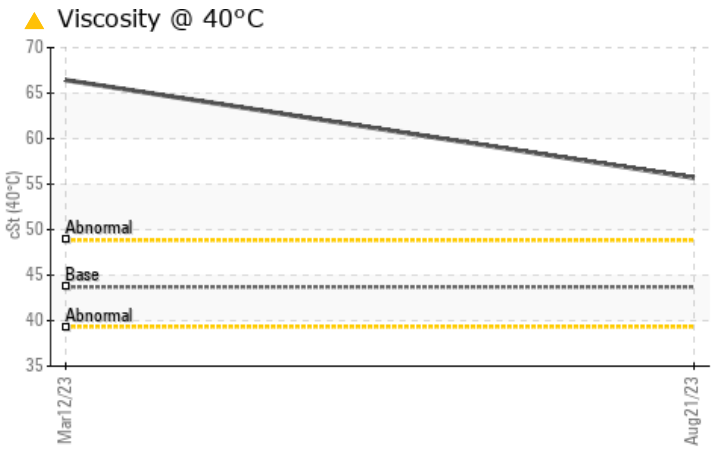
Area
GOLD 10
Machine Id
INGERSOLL RAND XFE300-2S EE2819U08064 - LAKESIDE BOOK
Component
Compressor

Sample Rating Trend



VISCOSITY

COMPONENT CONDITION SUMMARY



RECOMMENDATION

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status				**ATTENTION**	ABNORMAL	---
Visc @ 40°C	cSt	ASTM D445	43.7	▲ **55.7**	▲ 66.43	---

Customer Id: UCTOMTOL
Sample No.: UCH05932175
Lab Number: 05932175
Test Package: IND 2

To manage this report scan the QR code

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

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

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

12 Mar 2023 Diag: Angela Borella

VISCOSITY

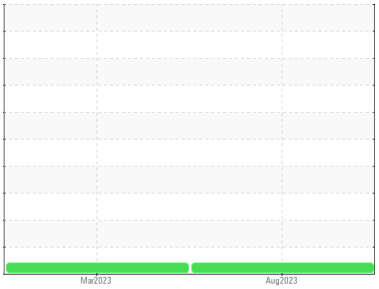
The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within ISO 68 range, advise investigate. Confirm oil type.

view report

OIL ANALYSIS REPORT

Area
GOLD 10
Machine Id
INGERSOLL RAND XFE300-2S EE2819U08064 - LAKESIDE BOOK
Component
Compressor

Sample Rating Trend



VISCOSITY

DIAGNOSIS

Recommendation
The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear
All component wear rates are normal.

Contamination
There is no indication of any contamination in the oil.

Fluid Condition
The oil viscosity is higher than normal. Confirm oil type. The AN level is acceptable for this fluid.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**UCH05932175**	UCH05792164	---
Sample Date		Client Info		**21 Aug 2023**	12 Mar 2023	---
Machine Age	hrs	Client Info		**116133**	112878	---
Oil Age	hrs	Client Info		**4278**	7192	---
Oil Changed		Client Info		**Not Changd**	Not Changd	---
Sample Status				**ATTENTION**	ABNORMAL	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	**<1**	1	---
Chromium	ppm	ASTM D5185m	>5	**0**	0	---
Nickel	ppm	ASTM D5185m		**0**	<1	---
Titanium	ppm	ASTM D5185m		**0**	0	---
Silver	ppm	ASTM D5185m		**0**	0	---
Aluminum	ppm	ASTM D5185m	>15	**<1**	<1	---
Lead	ppm	ASTM D5185m	>65	**0**	<1	---
Copper	ppm	ASTM D5185m	>65	**12**	5	---
Tin	ppm	ASTM D5185m	>10	**0**	<1	---
Vanadium	ppm	ASTM D5185m		**<1**	0	---
Cadmium	ppm	ASTM D5185m		**0**	0	---

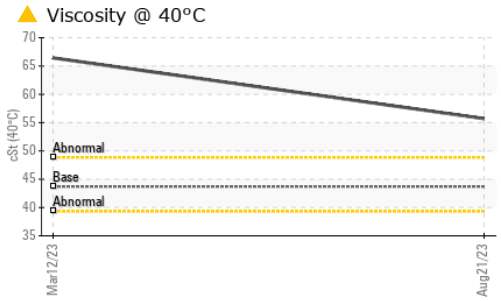
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		**0**	5	---
Barium	ppm	ASTM D5185m		**0**	2	---
Molybdenum	ppm	ASTM D5185m		**0**	0	---
Manganese	ppm	ASTM D5185m		**<1**	0	---
Magnesium	ppm	ASTM D5185m		**0**	2	---
Calcium	ppm	ASTM D5185m		**0**	2	---
Phosphorus	ppm	ASTM D5185m		**318**	240	---
Zinc	ppm	ASTM D5185m		**359**	46	---
Sulfur	ppm	ASTM D5185m		**600**	560	---

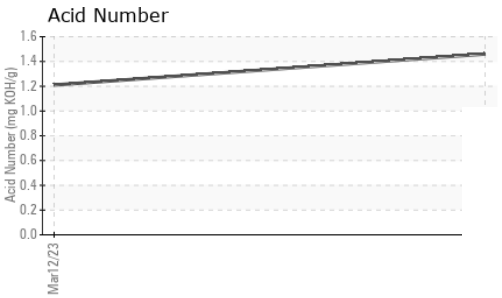
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>35	**<1**	<1	---
Sodium	ppm	ASTM D5185m		**3**	0	---
Potassium	ppm	ASTM D5185m	>20	**<1**	1	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		**1.46**	1.21	---

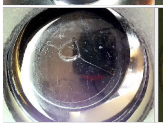
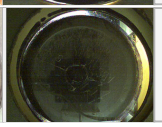
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	NONE	---
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	---
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	---
Silt	scalar	*Visual	NONE	**NONE**	NONE	---
Debris	scalar	*Visual	NONE	**NONE**	NONE	---
Sand/Dirt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

OIL ANALYSIS REPORT

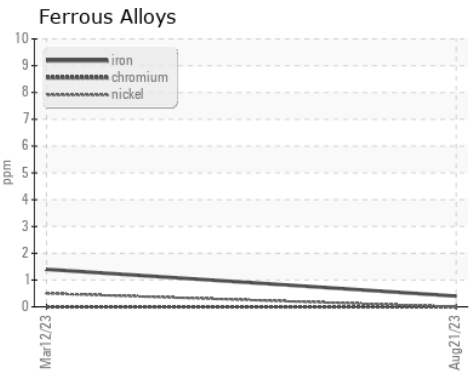


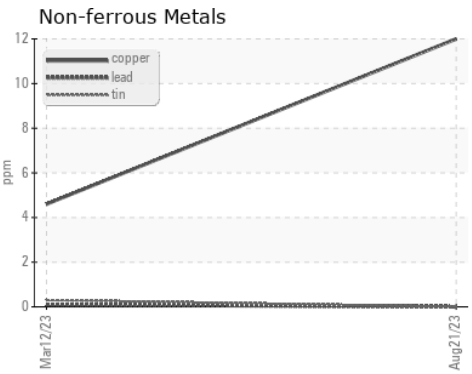


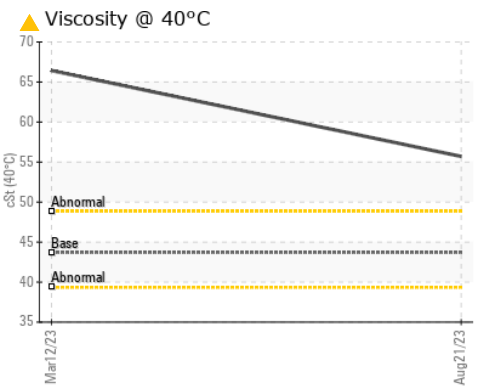
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	43.7	▲ **55.7**	▲ 66.43	---

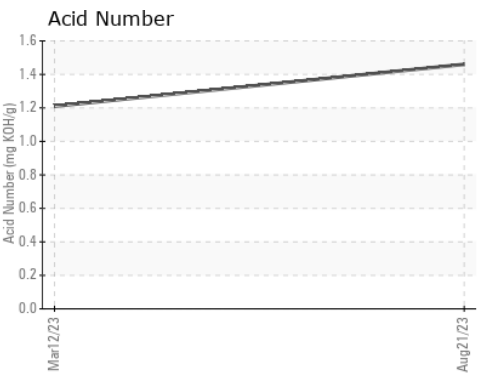
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					*no image*
Bottom					*no image*

GRAPHS









Certificate L2367

Laboratory	: WearCheck USA - 501 Madison Ave., Cary, NC 27513		
Sample No.	: UCH05932175	**Received**	: 23 Aug 2023
Lab Number	: 05932175	**Diagnosed**	: 24 Aug 2023
Unique Number	: 10617446	**Diagnostician**	: Don Baldridge
Test Package	: IND 2		

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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