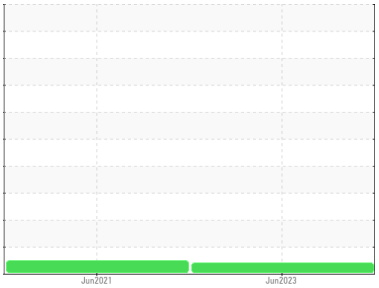
PROBLEM SUMMARY

Sample Rating Trend



ADDITIVES

Area
IR ULTRA COOLANT [147780]
Machine Id
INGERSOLL RAND CBV542395 - TYSON FOODS
Component
Compressor

COMPONENT CONDITION SUMMARY

No relevant graphs to display

RECOMMENDATION

Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status				**ATTENTION**	NORMAL	---
Barium	ppm	ASTM D5185m	500	▲ **108**	655	---

Customer Id: UCTATBAL
Sample No.: UCH05927368
Lab Number: 05927368
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

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

07 Jun 2021 Diag: Doug Bogart

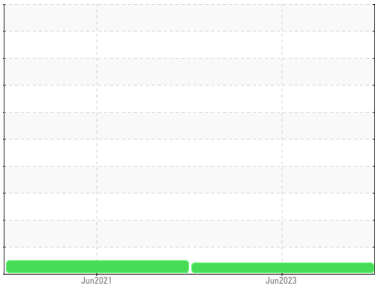
NORMAL

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

OIL ANALYSIS REPORT

Sample Rating Trend



ADDITIVES

Area
IR ULTRA COOLANT [147780]
Machine Id
INGERSOLL RAND CBV542395 - TYSON FOODS
Component
Compressor

DIAGNOSIS

Recommendation
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
An additive depletion is indicated. 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		**UCH05927368**	UCH05284405	---
Sample Date		Client Info		**19 Jun 2023**	07 Jun 2021	---
Machine Age	hrs	Client Info		**9204**	3685	---
Oil Age	hrs	Client Info		**0**	3685	---
Oil Changed		Client Info		**Not Changd**	Changed	---
Sample Status				**ATTENTION**	NORMAL	---

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

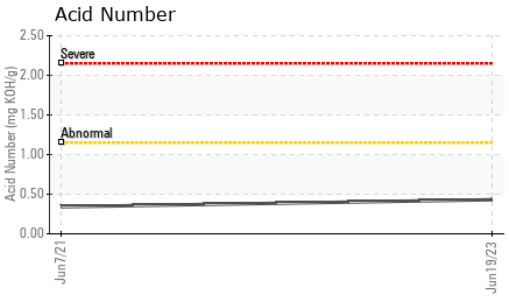
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	**0**	4	---
Barium	ppm	ASTM D5185m	500	▲ **108**	655	---
Molybdenum	ppm	ASTM D5185m	0	**0**	<1	---
Manganese	ppm	ASTM D5185m		**<1**	<1	---
Magnesium	ppm	ASTM D5185m	0	**3**	3	---
Calcium	ppm	ASTM D5185m	0	**10**	15	---
Phosphorus	ppm	ASTM D5185m	20	**4**	6	---
Zinc	ppm	ASTM D5185m	0	**128**	87	---
Sulfur	ppm	ASTM D5185m	200	**836**	472	---

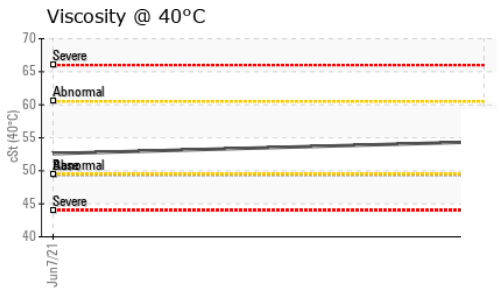
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	**2**	1	---
Sodium	ppm	ASTM D5185m		**118**	93	---
Potassium	ppm	ASTM D5185m	>20	**4**	5	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		**0.43**	0.341	---

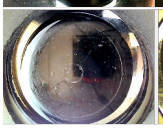
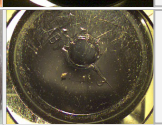
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	NONE	---
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	---
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	---
Silt	scalar	*Visual	NONE	**NONE**	NONE	---
Debris	scalar	*Visual	NONE	**NONE**	NONE	---
Sand/Dirt	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

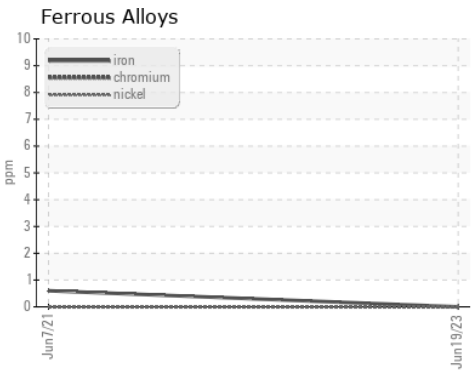


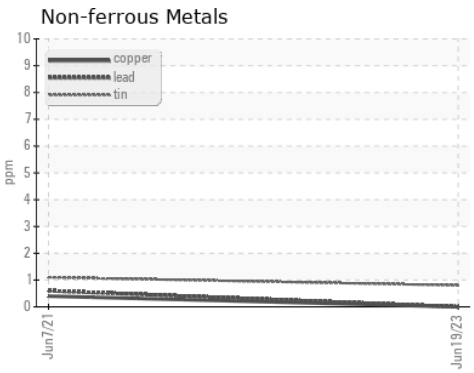


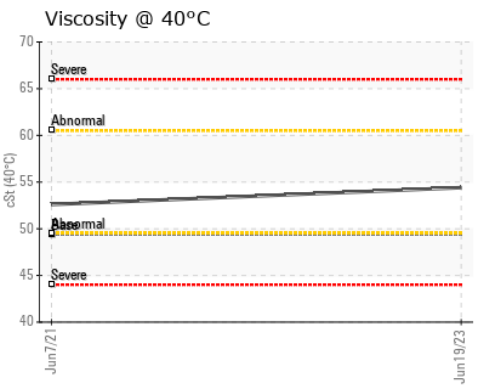
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	49.4	**54.4**	52.6	---

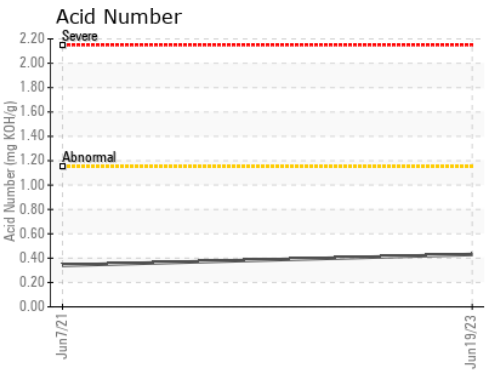
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					*no image*
Bottom					*no image*

GRAPHS









Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCH05927368 **Received** : 17 Aug 2023
Lab Number : 05927368 **Diagnosed** : 21 Aug 2023
Unique Number : 10607315 **Diagnostician** : Jonathan Hester
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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