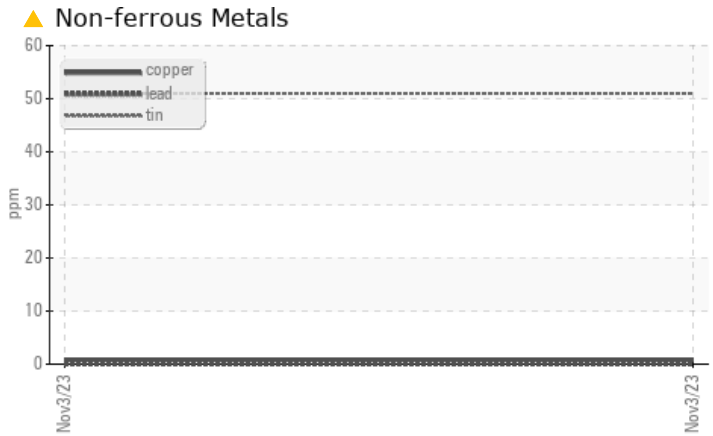
PROBLEM SUMMARY

Sample Rating Trend

WEAR

Area
ULTRA COOLANT [OIL-42444]
Machine Id
INGERSOLL RAND CK7497U07005 - SINCLAIR & RUSH
Component
Compressor

COMPONENT CONDITION SUMMARY



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				**ABNORMAL**	---	---
Tin	ppm	ASTM D5185m	>15	**51**	---	---

Customer Id: UCJOHSAI
Sample No.: UCH06007060
Lab Number: 06007060
Test Package: IND 2

To manage this report scan the QR code

To discuss the diagnosis or test data:
Doug Bogart +1 (800)237-1369 x4016
dougb@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
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

OIL ANALYSIS REPORT

Sample Rating Trend

WEAR

Area
ULTRA COOLANT [OIL-42444]
Machine Id
INGERSOLL RAND CK7497U07005 - SINCLAIR & RUSH
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

The tin level is abnormal. All other component wear rates are normal.

Contamination

There is no indication of any contamination 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		**UCH06007060**	---	---
Sample Date		Client Info		**03 Nov 2023**	---	---
Machine Age	hrs	Client Info		**26000**	---	---
Oil Age	hrs	Client Info		**1309**	---	---
Oil Changed		Client Info		**Changed**	---	---
Sample Status				**ABNORMAL**	---	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	**<1**	---	---
Chromium	ppm	ASTM D5185m	>10	**<1**	---	---
Nickel	ppm	ASTM D5185m		**<1**	---	---
Titanium	ppm	ASTM D5185m		**<1**	---	---
Silver	ppm	ASTM D5185m		**0**	---	---
Aluminum	ppm	ASTM D5185m	>25	**2**	---	---
Lead	ppm	ASTM D5185m	>25	**0**	---	---
Copper	ppm	ASTM D5185m	>50	**<1**	---	---
Tin	ppm	ASTM D5185m	>15	▲ **51**	---	---
Vanadium	ppm	ASTM D5185m		**<1**	---	---
Cadmium	ppm	ASTM D5185m		**<1**	---	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	**0**	---	---
Barium	ppm	ASTM D5185m	500	**721**	---	---
Molybdenum	ppm	ASTM D5185m	0	**0**	---	---
Manganese	ppm	ASTM D5185m		**0**	---	---
Magnesium	ppm	ASTM D5185m	0	**2**	---	---
Calcium	ppm	ASTM D5185m	0	**2**	---	---
Phosphorus	ppm	ASTM D5185m	20	**11**	---	---
Zinc	ppm	ASTM D5185m	0	**33**	---	---
Sulfur	ppm	ASTM D5185m	200	**393**	---	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	**4**	---	---
Sodium	ppm	ASTM D5185m		**27**	---	---
Potassium	ppm	ASTM D5185m	>20	**3**	---	---

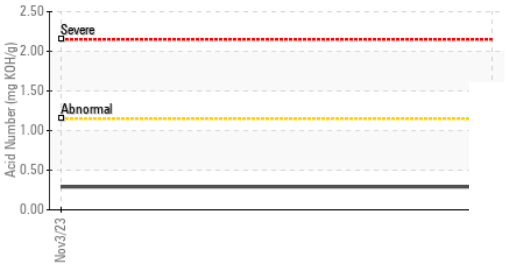
FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		**0.29**	---	---

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

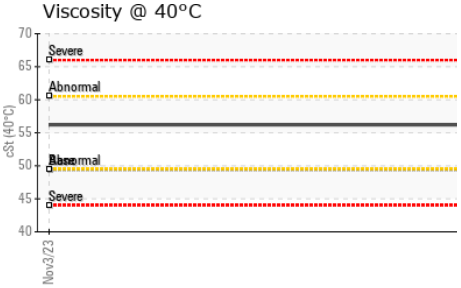
OIL ANALYSIS REPORT

Non-ferrous Metals

Acid Number



Viscosity @ 40°C

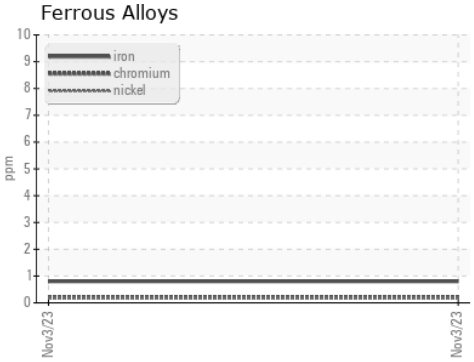


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	49.4	**56.2**	---	---

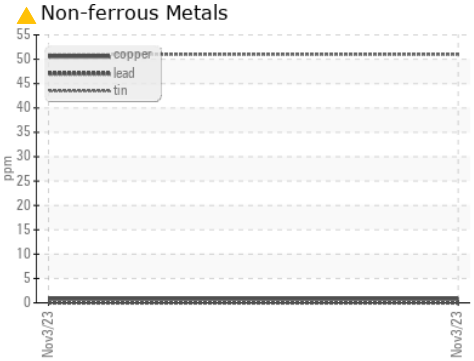
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				*no image*	*no image*
Bottom				*no image*	*no image*

GRAPHS

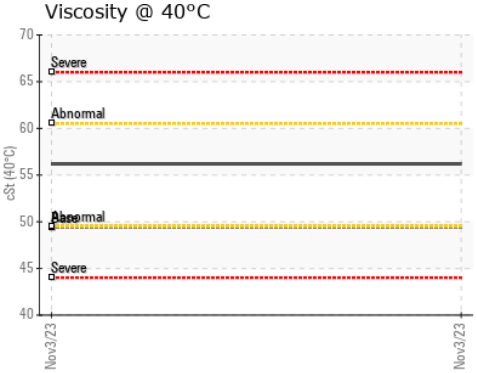
Ferrous Alloys



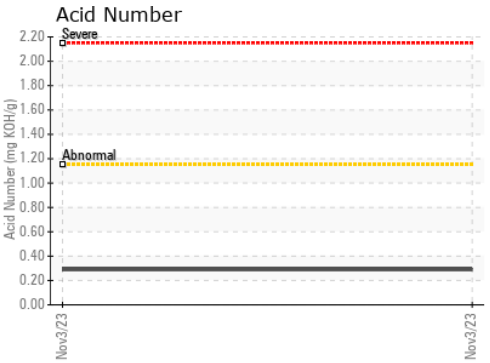
Non-ferrous Metals



Viscosity @ 40°C



Acid Number



Certificate L2367

Laboratory	: WearCheck USA - 501 Madison Ave., Cary, NC 27513		
Sample No.	: UCH06007060	**Received**	: 14 Nov 2023
Lab Number	: 06007060	**Diagnosed**	: 15 Nov 2023
Unique Number	: 10740822	**Diagnostician**	: Doug Bogart
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)

JOHN HENRY FOSTER COMPANY
4700 LEBOURGET STREET
SAINT LOUIS, MO
US 63134
Contact: RACHEL VON HATTEN
rvonhatten@jhf.com
T: (314)593-1267
F: (314)874-0965