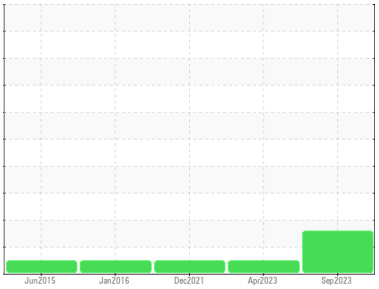
PROBLEM SUMMARY

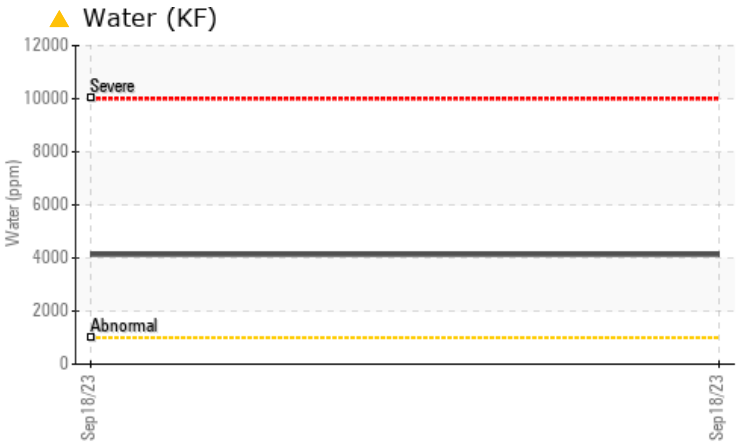
Sample Rating Trend



WATER

Area
JBS-IR-46
Machine Id
INGERSOLL RAND F37027U99287 - SAIA BURGESS
Component
Compressor

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				**ATTENTION**	NORMAL	NORMAL
Water	%	ASTM D6304	>0.1	▲ **0.413**	---	---
ppm Water	ppm	ASTM D6304	>1000	▲ **4130**	---	---
Emulsified Water	scalar	*Visual	>0.1	▲ **0.2%**	NEG	NEG

Customer Id: UCJOHNAS
Sample No.: UCH05960723
Lab Number: 05960723
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

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

12 Apr 2023 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 component. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report

21 Dec 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 component. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report

05 Jan 2016 Diag: Doug Bogart

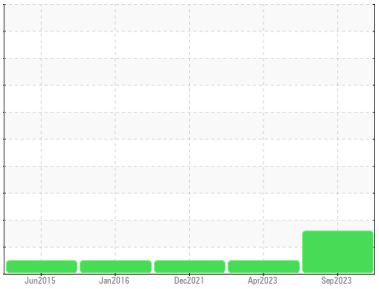
NORMAL

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the component. 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
JBS-IR-46
Machine Id
INGERSOLL RAND F37027U99287 - SAIA BURGESS
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
All component wear rates are normal.

Contamination
There is a moderate concentration of water present in the oil.

Fluid Condition
The AN level is acceptable for this fluid.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**UCH05960723**	UCH05824169	UCH05433658
Sample Date		Client Info		**18 Sep 2023**	12 Apr 2023	21 Dec 2021
Machine Age	hrs	Client Info		**81714**	79307	71607
Oil Age	hrs	Client Info		**5483**	3076	2073
Oil Changed		Client Info		**N/A**	N/A	N/A
Sample Status				**ATTENTION**	NORMAL	NORMAL

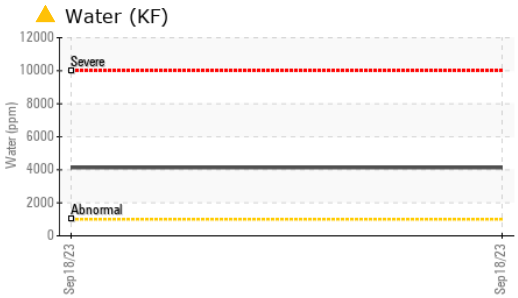
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	**0**	9	<1
Chromium	ppm	ASTM D5185m	>10	**0**	0	0
Nickel	ppm	ASTM D5185m		**<1**	0	0
Titanium	ppm	ASTM D5185m		**0**	0	0
Silver	ppm	ASTM D5185m		**0**	0	<1
Aluminum	ppm	ASTM D5185m	>25	**0**	0	0
Lead	ppm	ASTM D5185m	>25	**0**	0	0
Copper	ppm	ASTM D5185m	>50	**<1**	0	<1
Tin	ppm	ASTM D5185m	>15	**<1**	0	<1
Antimony	ppm	ASTM D5185m		**---**	---	<1
Vanadium	ppm	ASTM D5185m		**0**	0	0
Cadmium	ppm	ASTM D5185m		**<1**	0	0

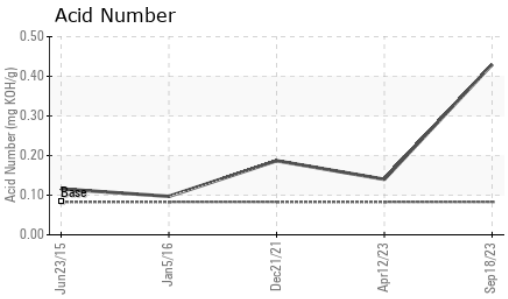
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0.6	**<1**	0	0
Barium	ppm	ASTM D5185m	0	**38**	370	301
Molybdenum	ppm	ASTM D5185m	0	**0**	0	0
Manganese	ppm	ASTM D5185m	0.3	**0**	<1	0
Magnesium	ppm	ASTM D5185m	0	**<1**	0	1
Calcium	ppm	ASTM D5185m	0.3	**1**	2	2
Phosphorus	ppm	ASTM D5185m	233	**13**	13	15
Zinc	ppm	ASTM D5185m	0	**<1**	<1	2
Sulfur	ppm	ASTM D5185m	269	**345**	634	428

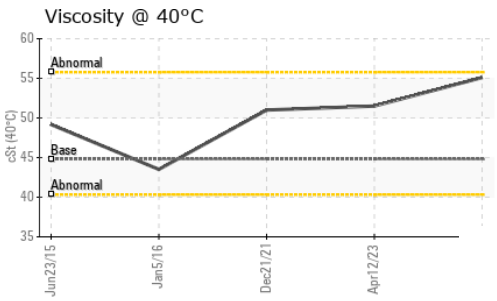
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	**3**	2	<1
Sodium	ppm	ASTM D5185m		**60**	46	55
Potassium	ppm	ASTM D5185m	>20	**2**	2	3
Water	%	ASTM D6304	>0.1	▲ **0.413**	---	---
ppm Water	ppm	ASTM D6304	>1000	▲ **4130**	---	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.083	**0.43**	0.14	0.187

OIL ANALYSIS REPORT

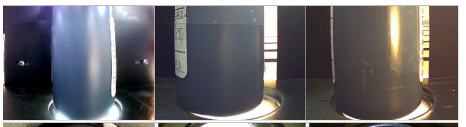
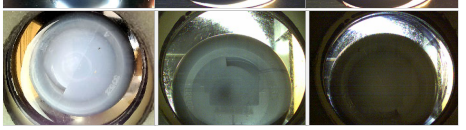




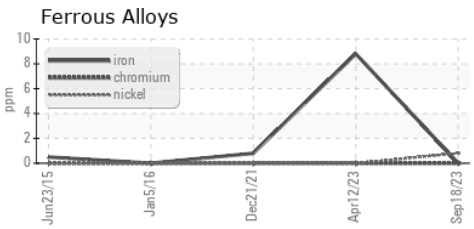


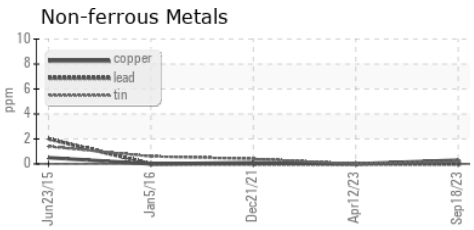
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Debris	scalar	*Visual	NONE	**NONE**	NONE	NONE
Sand/Dirt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

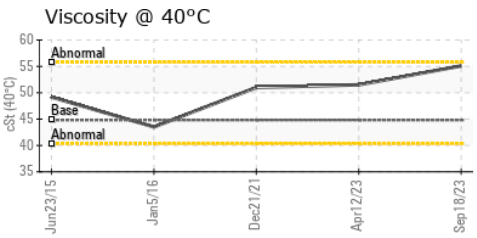
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	44.81	**55.1**	51.5	51.0

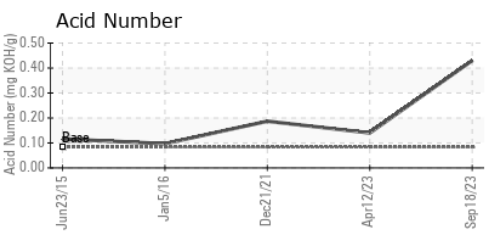
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

GRAPHS









Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCH05960723 **Received** : 25 Sep 2023
Lab Number : 05960723 **Diagnosed** : 27 Sep 2023
Unique Number : 10661936 **Diagnostician** : Don Baldridge
Test Package : IND 2 (Additional Tests: KF)

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 BOUCHARD & SONS
1024 HARRISON ST.
NASHVILLE, TN
US 37203
Contact: STEVE SANDERS
Steve.sanders@jbouchard.com
T:
F: (865)544-1400