



PROBLEM SUMMARY

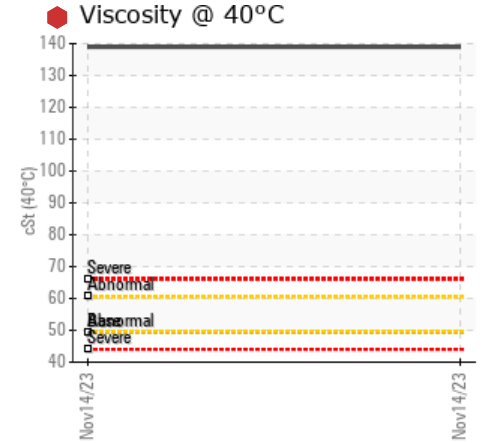
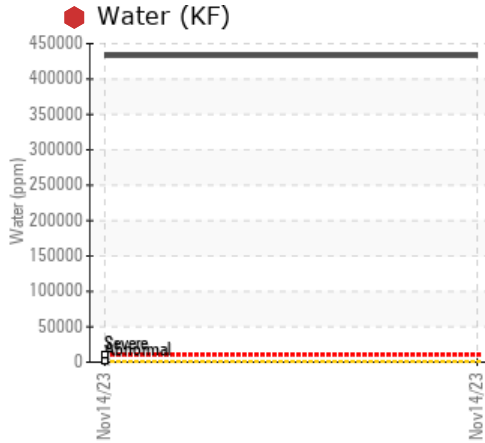
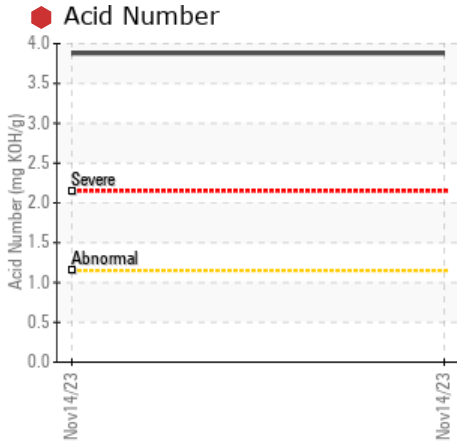
Sample Rating Trend

DEGRADATION

Area
ULTRA COOLANT [056471]
Machine Id
INGERSOLL RAND CBV131311 - BAYER
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				SEVERE	---	---
Water	%	ASTM D6304	>0.1	43.3	---	---
ppm Water	ppm	ASTM D6304	>1000	433000	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045		3.88	---	---
Emulsified Water	scalar	*Visual	>0.1	0.2%	---	---
Visc @ 40°C	cSt	ASTM D445	49.4	139	---	---

Customer Id: UCJOHSAI
Sample No.: UCH06012579
Lab Number: 06012579
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
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

DEGRADATION

Area
ULTRA COOLANT [056471]
 Machine Id
INGERSOLL RAND CBV131311 - BAYER
 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

All component wear rates are normal.

Contamination

There is a high concentration of water present in the oil.

Fluid Condition

The oil viscosity is higher than normal. The AN level is above the recommended limit. TAN level indicates possible presence of varnish. The oil is no longer serviceable.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		UCH06012579	---	---
Sample Date	Client Info		14 Nov 2023	---	---
Machine Age	hrs	Client Info	5040	---	---
Oil Age	hrs	Client Info	3745	---	---
Oil Changed	Client Info		Changed	---	---
Sample Status			SEVERE	---	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	0	---	---
Chromium	ppm	ASTM D5185m >10	0	---	---
Nickel	ppm	ASTM D5185m	<1	---	---
Titanium	ppm	ASTM D5185m	0	---	---
Silver	ppm	ASTM D5185m	<1	---	---
Aluminum	ppm	ASTM D5185m >25	2	---	---
Lead	ppm	ASTM D5185m >25	0	---	---
Copper	ppm	ASTM D5185m >50	6	---	---
Tin	ppm	ASTM D5185m >15	4	---	---
Vanadium	ppm	ASTM D5185m	<1	---	---
Cadmium	ppm	ASTM D5185m	<1	---	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 0	9	---	---
Barium	ppm	ASTM D5185m 500	172	---	---
Molybdenum	ppm	ASTM D5185m 0	0	---	---
Manganese	ppm	ASTM D5185m	<1	---	---
Magnesium	ppm	ASTM D5185m 0	4	---	---
Calcium	ppm	ASTM D5185m 0	16	---	---
Phosphorus	ppm	ASTM D5185m 20	6	---	---
Zinc	ppm	ASTM D5185m 0	121	---	---
Sulfur	ppm	ASTM D5185m 200	278	---	---

CONTAMINANTS

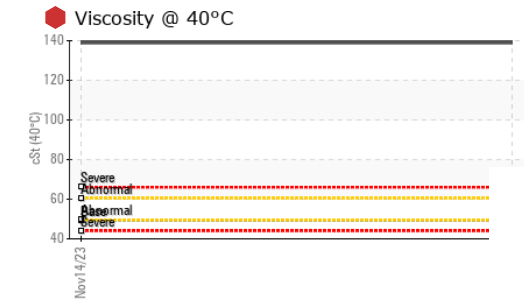
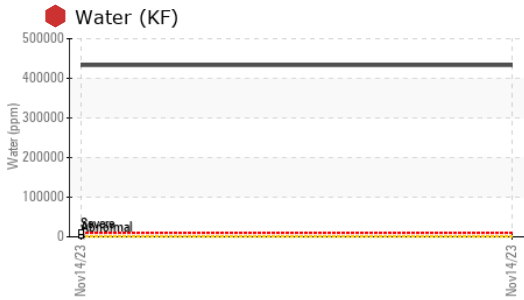
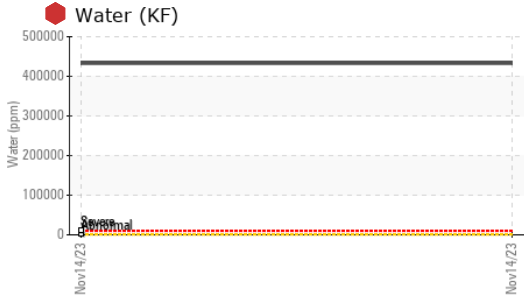
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<1	---	---
Sodium	ppm	ASTM D5185m	3	---	---
Potassium	ppm	ASTM D5185m >20	4	---	---
Water	%	ASTM D6304 >0.1	43.3	---	---
ppm Water	ppm	ASTM D6304 >1000	433000	---	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	3.88	---	---



OIL ANALYSIS REPORT



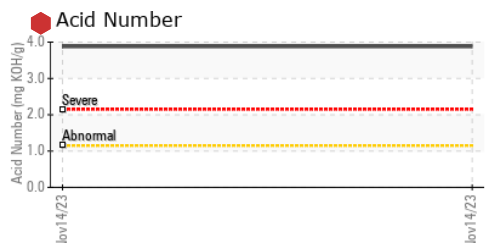
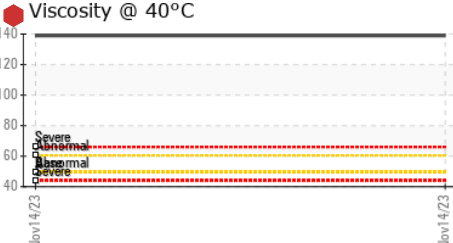
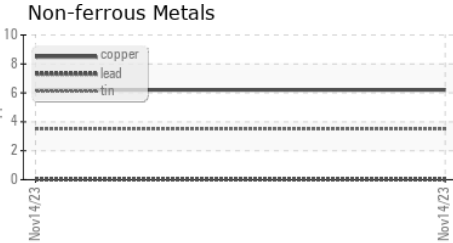
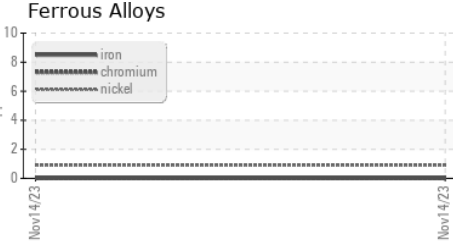
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	49.4	139	---

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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCH06012579 **Received** : 20 Nov 2023
Lab Number : 06012579 **Diagnosed** : 22 Nov 2023
Unique Number : 10751723 **Diagnostician** : Jonathan Hester
Test Package : IND 2 (Additional Tests: KF)

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

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)