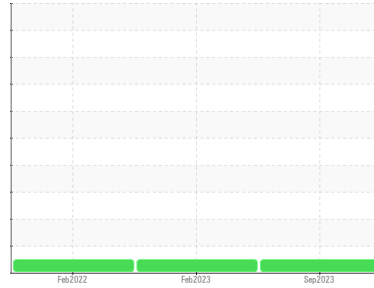




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
ULTRA IR
 Machine Id
INGERSOLL RAND CK9309U10250 - MECHANICAL DYNAMICS
 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

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		UCH05978377	UCH05763627	UCH05491382
Sample Date	Client Info		28 Sep 2023	02 Feb 2023	23 Feb 2022
Machine Age	hrs	Client Info	55262	51342	46131
Oil Age	hrs	Client Info	4000	6000	6000
Oil Changed	Client Info		Not Changed	Changed	Changed
Sample Status			NORMAL	NORMAL	NORMAL

WEAR METALS

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

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	<1
Barium	ppm	ASTM D5185m 556	719	688	679
Molybdenum	ppm	ASTM D5185m	0	0	0
Manganese	ppm	ASTM D5185m	0	1	<1
Magnesium	ppm	ASTM D5185m	4	1	0
Calcium	ppm	ASTM D5185m 242	2	6	3
Phosphorus	ppm	ASTM D5185m 0	6	7	6
Zinc	ppm	ASTM D5185m 0	12	<1	0
Sulfur	ppm	ASTM D5185m 306	307	344	259

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<1	3	2
Sodium	ppm	ASTM D5185m	21	32	19
Potassium	ppm	ASTM D5185m >20	0	5	3

FLUID DEGRADATION

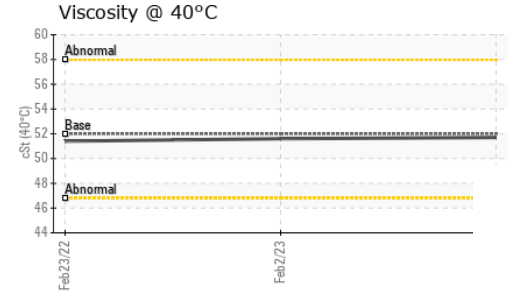
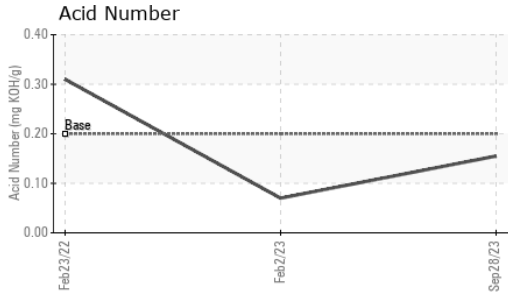
	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.2	0.155	0.07	0.31

VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	NONE	NONE	MODER
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	NEG	NEG	NEG
Free Water	scalar	*Visual	NEG	NEG	NEG

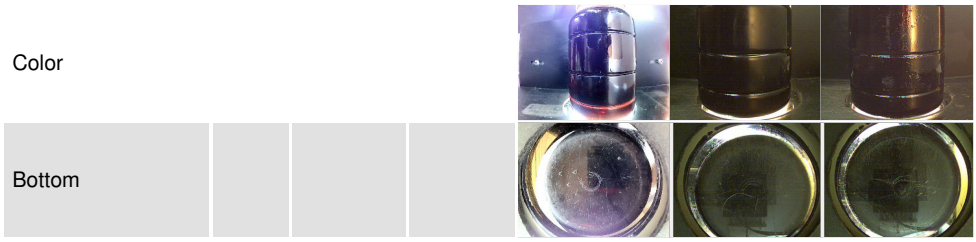


OIL ANALYSIS REPORT

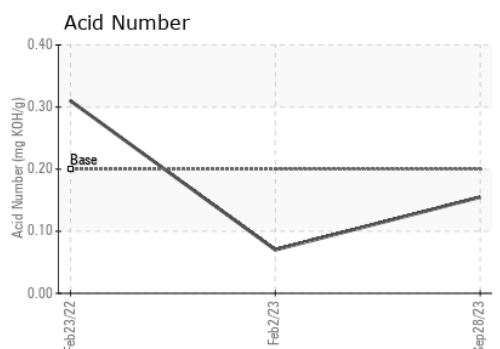
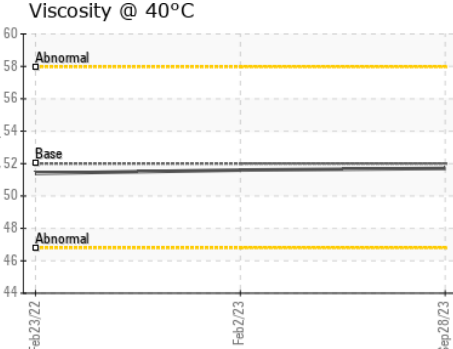
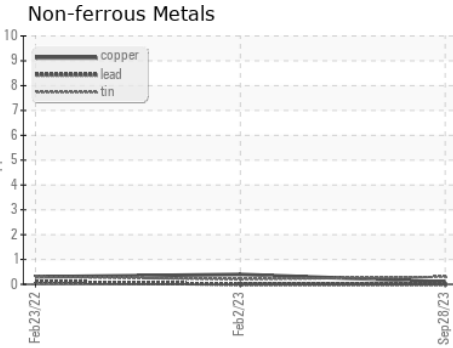
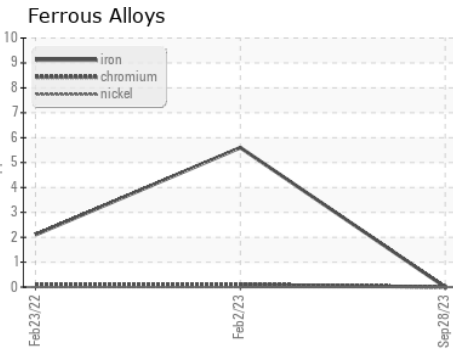


FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 52	51.7	51.6	51.4

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCH05978377 **Received** : 13 Oct 2023
Lab Number : 05978377 **Diagnosed** : 16 Oct 2023
Unique Number : 10695672 **Diagnostician** : Don Baldrige
Test Package : IND 2

JOHN HENRY FOSTER COMPANY
 4700 LEBOURGET STREET
 SAINT LOUIS, MO
 US 63134
 Contact: RACHEL VON HATTEN
 rvonhatten@jhfc.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)