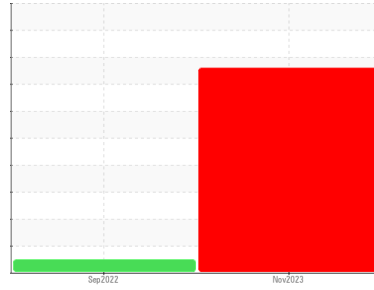




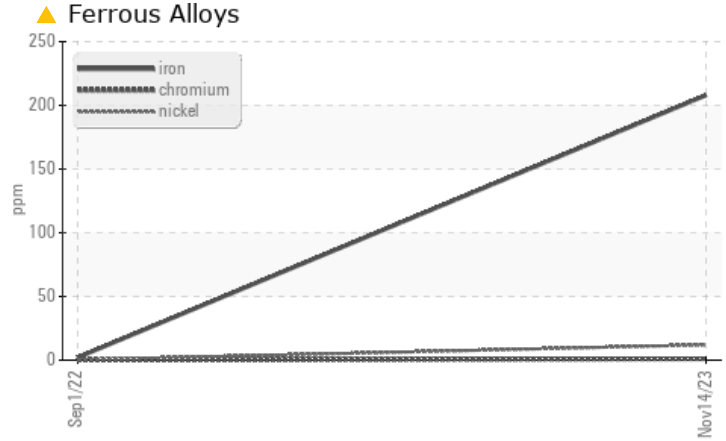
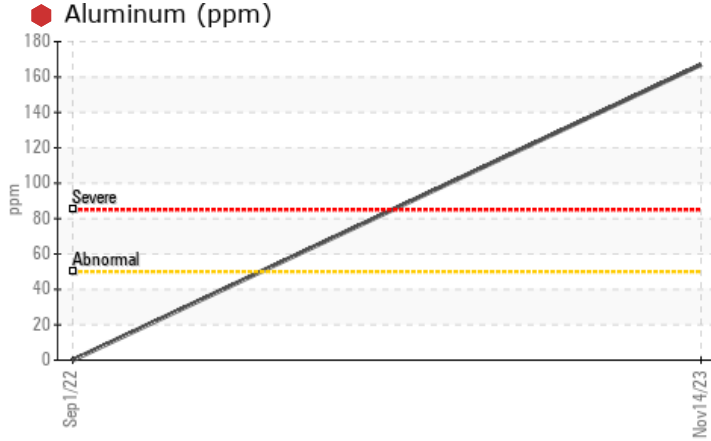
PROBLEM SUMMARY

Area
2H28
 Machine Id
FORD W5G-550 CHASSI FBK6202 (S/N 1FD0W5GT2KEC15019)
 Component
Transmission (Auto)
 Fluid
NOT GIVEN (--- GAL)

Sample Rating Trend



COMPONENT CONDITION SUMMARY



RECOMMENDATION

We recommend that you drain the fluid and perform a filter service on this component if not already done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status				SEVERE	NORMAL	---
Iron	ppm	ASTM D5185m	>160	▲ 208	2	---
Nickel	ppm	ASTM D5185m	>5	▲ 12	<1	---
Aluminum	ppm	ASTM D5185m	>50	● 167	0	---

Customer Id: AR1050BRI
 Sample No.: ARI0006448
 Lab Number: 06007931
 Test Package: CONST



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Don Baldrige +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
Inspect Wear Source	---	---	?	We advise that you inspect for the source(s) of wear.
Change Fluid	---	---	?	We recommend that you drain the fluid and perform a filter service on this component if not already done.
Change Filter	---	---	?	We recommend that you drain the fluid and perform a filter service on this component if not already done.
Resample	---	---	?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS

01 Sep 2022 Diag: Don Baldrige

NORMAL



Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.

view report



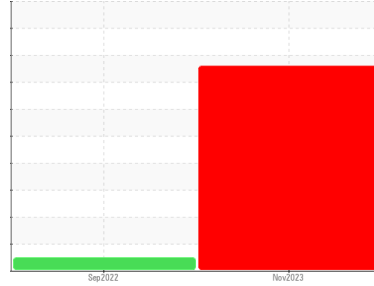


OIL ANALYSIS REPORT

Sample Rating Trend

WEAR

Area
2H28
 Machine Id
FORD W5G-550 CHASSI FBK6202 (S/N 1FD0W5GT2KEC15019)
 Component
Transmission (Auto)
 Fluid
NOT GIVEN (--- GAL)



DIAGNOSIS

Recommendation

We recommend that you drain the fluid and perform a filter service on this component if not already done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

Wear

The iron level is abnormal. The aluminum is severe. Bearing, clutch or torque converter wear is indicated.

Contamination

There is no indication of any contamination in the fluid.

Fluid Condition

The fluid is no longer serviceable as a result of the abnormal and/or severe wear.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		ARI0006448	ARI0006409	---
Sample Date	Client Info		14 Nov 2023	01 Sep 2022	---
Machine Age	mls	Client Info	140100	108505	---
Oil Age	mls	Client Info	32000	0	---
Oil Changed	Client Info		Not Chngd	Not Chngd	---
Sample Status			SEVERE	NORMAL	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >160	▲ 208	2	---
Chromium	ppm	ASTM D5185m >5	1	0	---
Nickel	ppm	ASTM D5185m >5	▲ 12	<1	---
Titanium	ppm	ASTM D5185m	<1	0	---
Silver	ppm	ASTM D5185m >5	<1	0	---
Aluminum	ppm	ASTM D5185m >50	● 167	0	---
Lead	ppm	ASTM D5185m >50	8	0	---
Copper	ppm	ASTM D5185m >225	71	<1	---
Tin	ppm	ASTM D5185m >10	10	0	---
Vanadium	ppm	ASTM D5185m	<1	0	---
Cadmium	ppm	ASTM D5185m	<1	0	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	62	8	---
Barium	ppm	ASTM D5185m	0	2	---
Molybdenum	ppm	ASTM D5185m	18	<1	---
Manganese	ppm	ASTM D5185m	54	<1	---
Magnesium	ppm	ASTM D5185m	2	13	---
Calcium	ppm	ASTM D5185m	136	230	---
Phosphorus	ppm	ASTM D5185m	209	163	---
Zinc	ppm	ASTM D5185m	0	26	---
Sulfur	ppm	ASTM D5185m	1350	723	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >20	20	7	---
Sodium	ppm	ASTM D5185m	11	<1	---
Potassium	ppm	ASTM D5185m >20	5	4	---

VISUAL

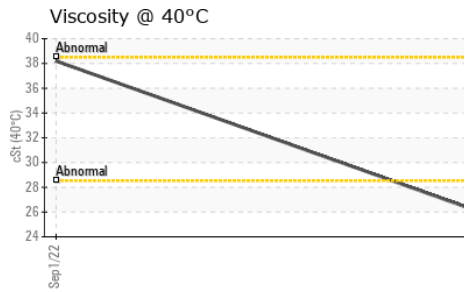
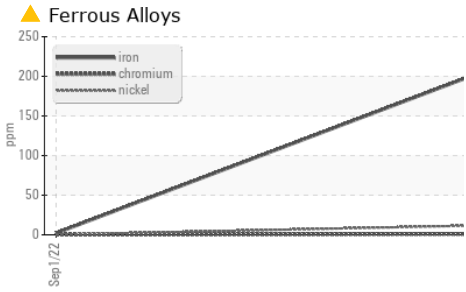
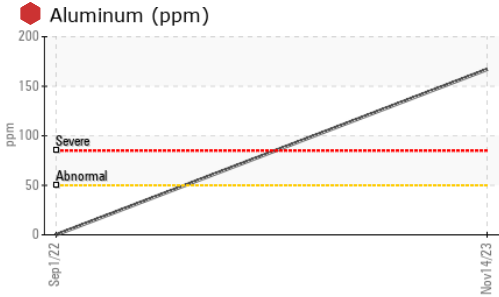
	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual NONE	NONE	NONE	---
Precipitate	scalar	*Visual NONE	NONE	NONE	---
Silt	scalar	*Visual NONE	NONE	NONE	---
Debris	scalar	*Visual NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual NONE	NONE	NONE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

FLUID PROPERTIES

	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	25.8	38.2	---

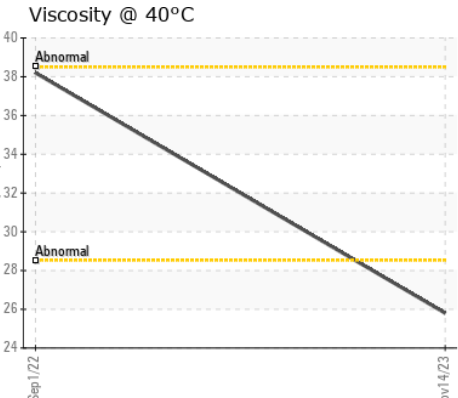
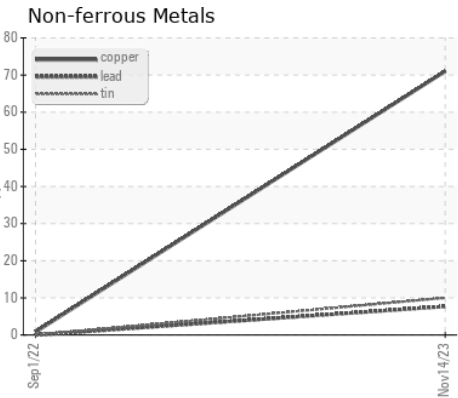
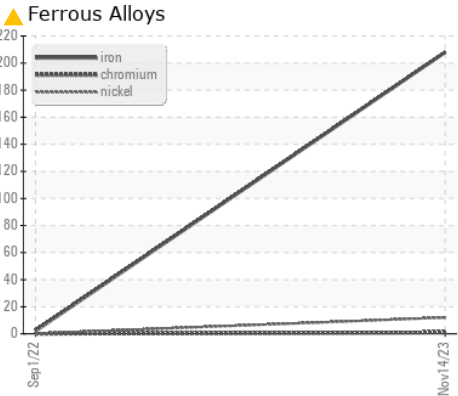


OIL ANALYSIS REPORT



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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ARI0006448 **Received** : 14 Nov 2023
Lab Number : **06007931** **Diagnosed** : 16 Nov 2023
Unique Number : 10741693 **Diagnostician** : Don Baldrige
Test Package : CONST

INSITUFORM TECHNOLOGIES, INC
 12820 PENNRIDGE DRIVE
 BRIDGETON, MO
 US 63044
 Contact: NEIL STRAUSSNER
 NSTRAUSSNER@INSITUFORM.COM
 T: (314)409-4371
 F:

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)