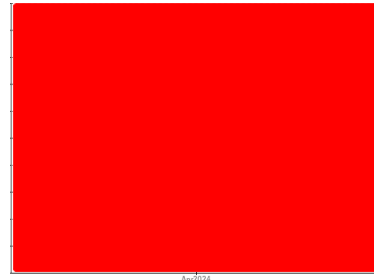




# OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Machine Id  
**FORD 27288-01T**  
Component  
**Transmission (Auto)**  
Fluid  
**{not provided} (--- GAL)**

## DIAGNOSIS

### ▲ Recommendation

We recommend that you drain the fluid from the component if this has not already been done. We advise that you inspect for the source(s) of wear.

### ▲ Wear

Gear wear is indicated. Clutch 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		<b>WCM2308073</b>	---	---
Sample Date	Client Info		<b>14 Apr 2024</b>	---	---
Machine Age	mls	Client Info	<b>0</b>	---	---
Oil Age	mls	Client Info	<b>0</b>	---	---
Oil Changed	Client Info		<b>N/A</b>	---	---
Sample Status			<b>SEVERE</b>	---	---

## CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	<b>NEG</b>	---	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >160	<b>▲ 444</b>	---	---
Chromium	ppm	ASTM D5185m >5	<b>&lt;1</b>	---	---
Nickel	ppm	ASTM D5185m >5	<b>8</b>	---	---
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	---	---
Silver	ppm	ASTM D5185m >5	<b>0</b>	---	---
Aluminum	ppm	ASTM D5185m >50	<b>35</b>	---	---
Lead	ppm	ASTM D5185m >50	<b>▲ 1294</b>	---	---
Copper	ppm	ASTM D5185m >225	<b>▲ 222</b>	---	---
Tin	ppm	ASTM D5185m >10	<b>▲ 16</b>	---	---
Vanadium	ppm	ASTM D5185m	<b>&lt;1</b>	---	---
Cadmium	ppm	ASTM D5185m	<b>&lt;1</b>	---	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>93</b>	---	---
Barium	ppm	ASTM D5185m	<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185m	<b>&lt;1</b>	---	---
Manganese	ppm	ASTM D5185m	<b>9</b>	---	---
Magnesium	ppm	ASTM D5185m	<b>1</b>	---	---
Calcium	ppm	ASTM D5185m	<b>377</b>	---	---
Phosphorus	ppm	ASTM D5185m	<b>212</b>	---	---
Zinc	ppm	ASTM D5185m	<b>15</b>	---	---
Sulfur	ppm	ASTM D5185m	<b>3363</b>	---	---

## CONTAMINANTS

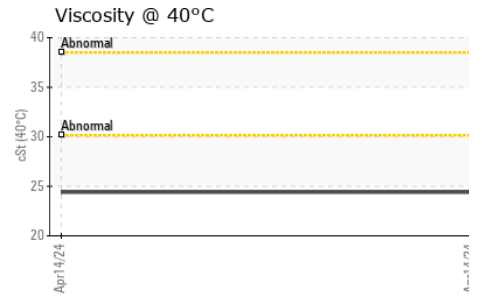
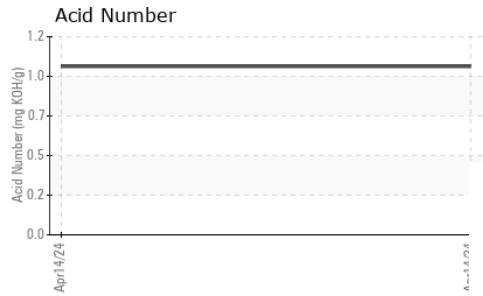
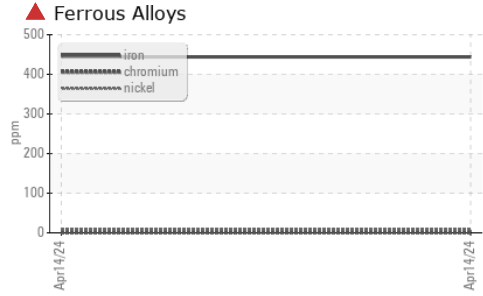
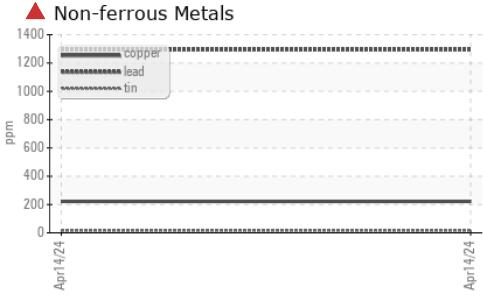
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >20	<b>9</b>	---	---
Sodium	ppm	ASTM D5185m	<b>26</b>	---	---
Potassium	ppm	ASTM D5185m >20	<b>7</b>	---	---

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	<b>1.02</b>	---	---



# OIL ANALYSIS REPORT

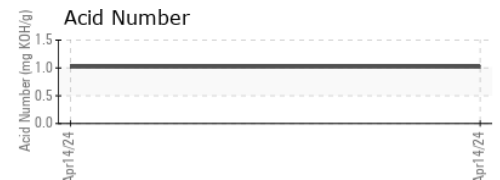
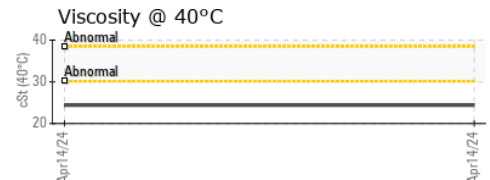
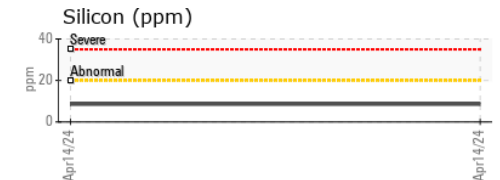
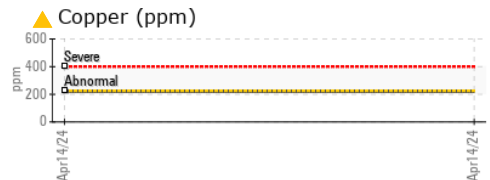
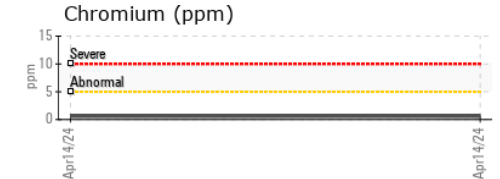
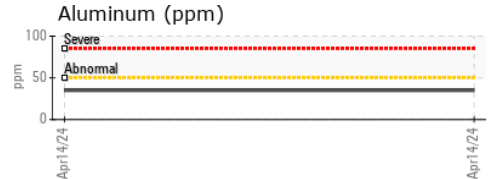
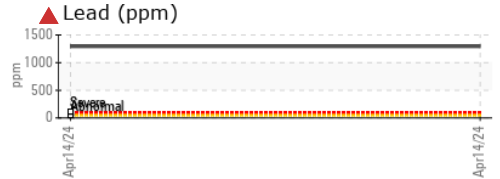
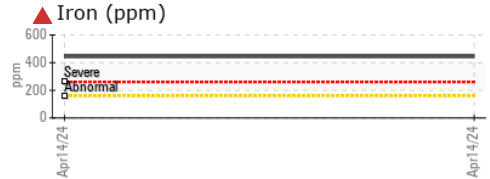


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	24.4	---	---

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

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WCM2308073      **Received** : 12 Apr 2024  
**Lab Number** : 06147523      **Tested** : 15 Apr 2024  
**Unique Number** : 10977601      **Diagnosed** : 16 Apr 2024 - Jonathan Hester  
**Test Package** : MOB 2

**NORTH AMERICAN WEST AUTOMOTIVE FORENSIC SERVICES**  
 PO BOX 2220  
 MISSION VIEJO, CA  
 US 92690  
 Contact: CHAD TREDWAY  
 chad.nawest@gmail.com;northamericanwest@gmail.com  
 T: (888)491-1080  
 F: (949)271-2360

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)