



# OIL ANALYSIS REPORT

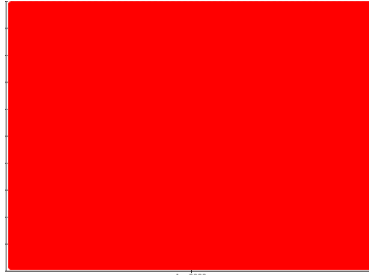
Sample Rating Trend

WEAR



Machine Id  
**FORD 24821-03**

Component  
**Transmission**  
Fluid  
**ATF (--- GAL)**



## DIAGNOSIS

### Recommendation

We recommend that you drain the fluid from the component if this has not already been done.

### Wear

Gear wear is indicated. Torque converter wear is indicated.

### Contamination

Elemental level of silicon (Si) above normal indicating ingress of seal material.

### Fluid Condition

The AN level is acceptable for this fluid. 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>WCM2007242</b>	---	---
Sample Date	Client Info		<b>07 Aug 2023</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>	---	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >200	<b>413</b>	---	---
Chromium	ppm	ASTM D5185m >10	<b>2</b>	---	---
Nickel	ppm	ASTM D5185m	<b>67</b>	---	---
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	---	---
Silver	ppm	ASTM D5185m	<b>0</b>	---	---
Aluminum	ppm	ASTM D5185m >50	<b>563</b>	---	---
Lead	ppm	ASTM D5185m >50	<b>2</b>	---	---
Copper	ppm	ASTM D5185m >200	<b>97</b>	---	---
Tin	ppm	ASTM D5185m >10	<b>6</b>	---	---
Vanadium	ppm	ASTM D5185m	<b>0</b>	---	---
Cadmium	ppm	ASTM D5185m	<b>&lt;1</b>	---	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>44</b>	---	---
Barium	ppm	ASTM D5185m	<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185m	<b>&lt;1</b>	---	---
Manganese	ppm	ASTM D5185m	<b>20</b>	---	---
Magnesium	ppm	ASTM D5185m	<b>3</b>	---	---
Calcium	ppm	ASTM D5185m	<b>113</b>	---	---
Phosphorus	ppm	ASTM D5185m	<b>184</b>	---	---
Zinc	ppm	ASTM D5185m	<b>24</b>	---	---
Sulfur	ppm	ASTM D5185m	<b>1234</b>	---	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	<b>75</b>	---	---
Sodium	ppm	ASTM D5185m	<b>18</b>	---	---
Potassium	ppm	ASTM D5185m >20	<b>17</b>	---	---

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	<b>1.16</b>	---	---

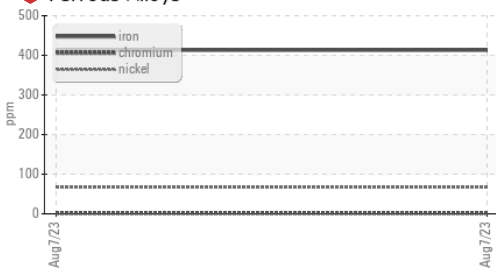
## VISUAL

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



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### Ferrous Alloys



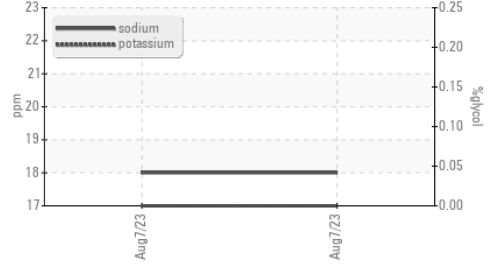
### FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D445	35.0	24.7	---

### SAMPLE IMAGES

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

### Glycol Contamination

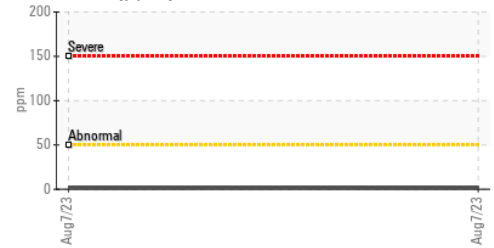


### GRAPHS

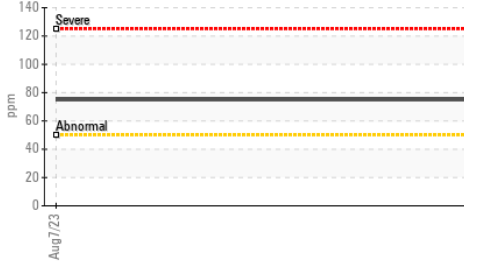
#### Iron (ppm)



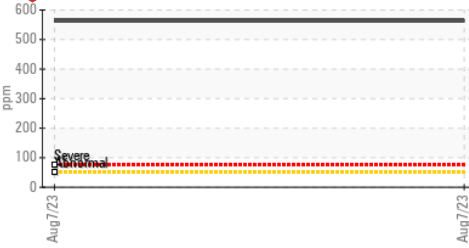
#### Lead (ppm)



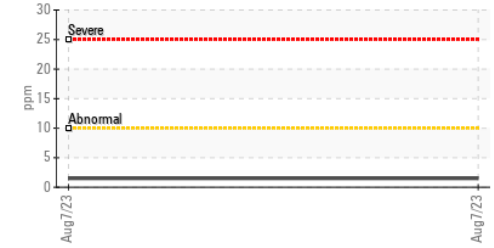
### Silicon (ppm)



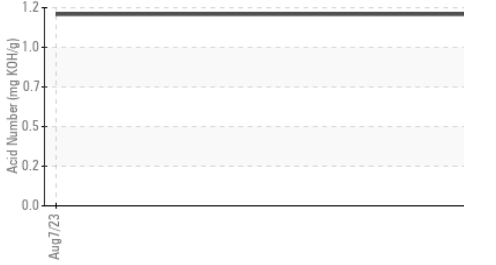
#### Aluminum (ppm)



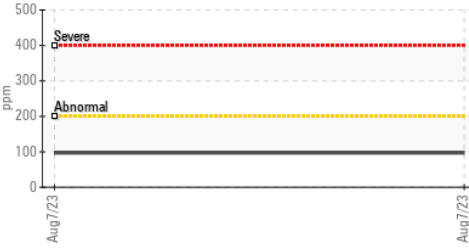
#### Chromium (ppm)



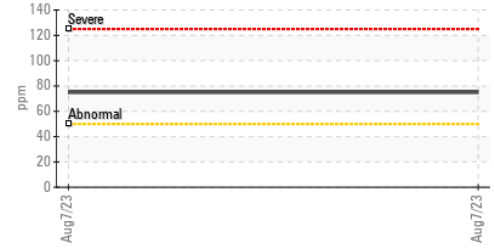
### Acid Number



#### Copper (ppm)



#### Silicon (ppm)



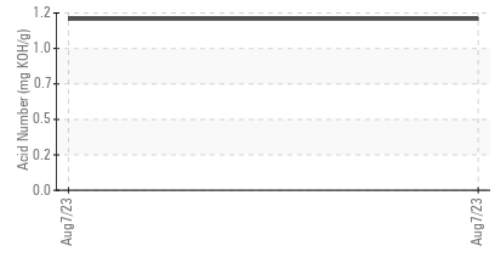
### Viscosity @ 40°C



#### Viscosity @ 40°C



#### Acid Number



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WCM2007242 **Received** : 11 Aug 2023  
**Lab Number** : 05922378 **Diagnosed** : 14 Aug 2023  
**Unique Number** : 10602325 **Diagnostician** : Jonathan Hester  
**Test Package** : MOB 2 ( Additional Tests: Glycol )

**SOUTHERN AUTOMOTIVE CONSULTING**  
 P.O. BOX 730  
 CREEDMOOR, NC  
 US 27522  
 Contact: ANDREW MORTON  
 andymorton711@yahoo.com

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)

T:  
F: