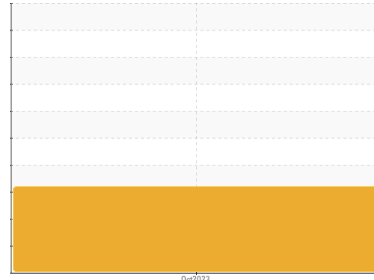




# OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id  
**GMC 24849-03**  
 Component  
**Transmission (Auto)**  
 Fluid  
**ATF (--- GAL)**

## DIAGNOSIS

- Recommendation**  
No corrective action is recommended at this time.
- 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.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WCM2006550</b>	---	---
Sample Date	Client Info		<b>12 Oct 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>ABNORMAL</b>	---	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m	>160	<b>▲ 475</b>	---	---
Chromium	ppm ASTM D5185m	>5	<b>1</b>	---	---
Nickel	ppm ASTM D5185m	>5	<b>0</b>	---	---
Titanium	ppm ASTM D5185m		<b>0</b>	---	---
Silver	ppm ASTM D5185m	>5	<b>0</b>	---	---
Aluminum	ppm ASTM D5185m	>50	<b>▲ 64</b>	---	---
Lead	ppm ASTM D5185m	>50	<b>&lt;1</b>	---	---
Copper	ppm ASTM D5185m	>225	<b>162</b>	---	---
Tin	ppm ASTM D5185m	>10	<b>3</b>	---	---
Vanadium	ppm ASTM D5185m		<b>0</b>	---	---
Cadmium	ppm ASTM D5185m		<b>0</b>	---	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m		<b>34</b>	---	---
Barium	ppm ASTM D5185m		<b>0</b>	---	---
Molybdenum	ppm ASTM D5185m		<b>&lt;1</b>	---	---
Manganese	ppm ASTM D5185m		<b>30</b>	---	---
Magnesium	ppm ASTM D5185m		<b>0</b>	---	---
Calcium	ppm ASTM D5185m		<b>41</b>	---	---
Phosphorus	ppm ASTM D5185m		<b>128</b>	---	---
Zinc	ppm ASTM D5185m		<b>0</b>	---	---
Sulfur	ppm ASTM D5185m		<b>1447</b>	---	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m	>20	<b>▲ 23</b>	---	---
Sodium	ppm ASTM D5185m		<b>15</b>	---	---
Potassium	ppm ASTM D5185m	>20	<b>8</b>	---	---

## FLUID DEGRADATION

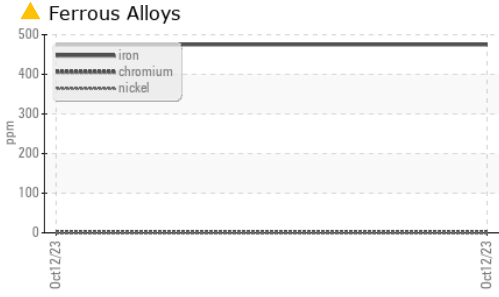
	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045		<b>1.02</b>	---	---

## VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar *Visual	NONE	<b>NONE</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>	---	---

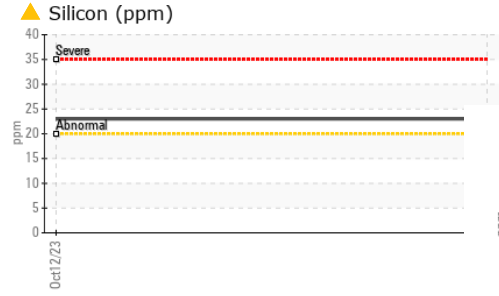


# OIL ANALYSIS REPORT

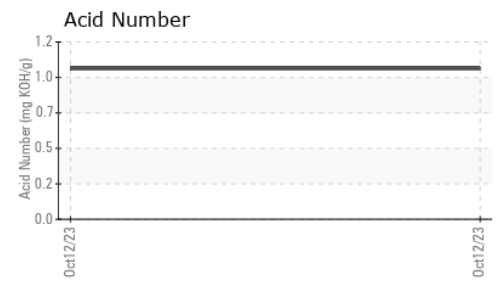
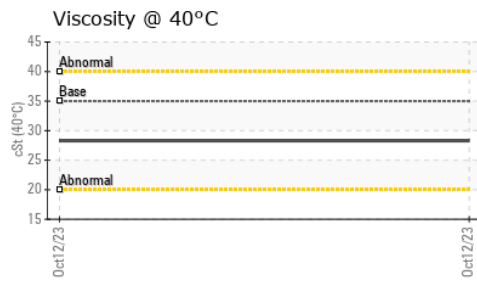
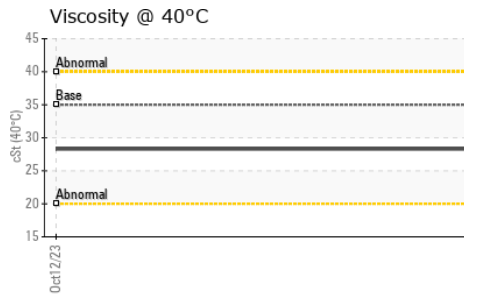
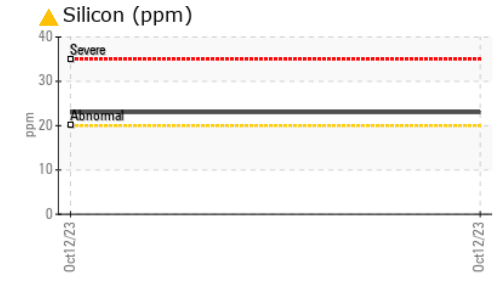
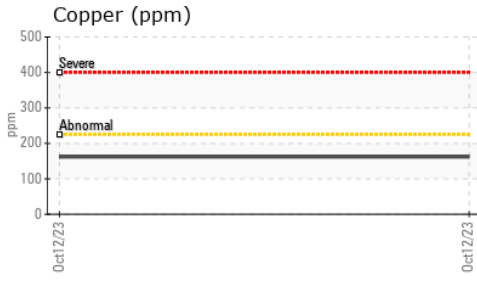
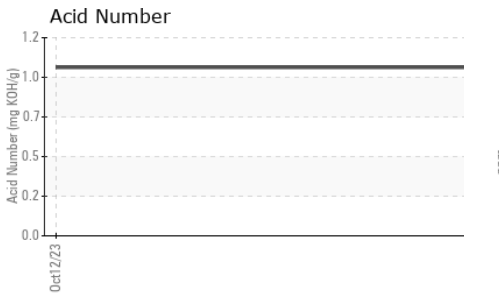
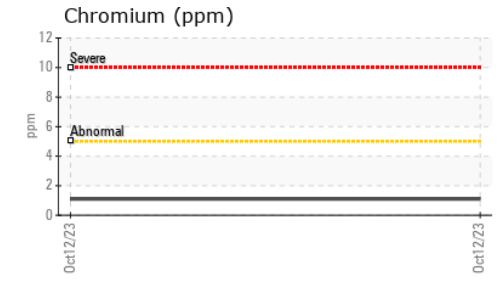
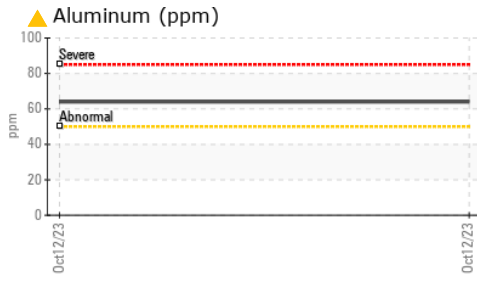
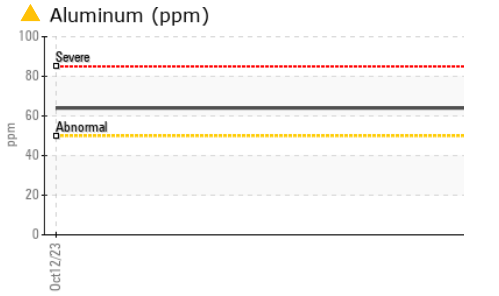
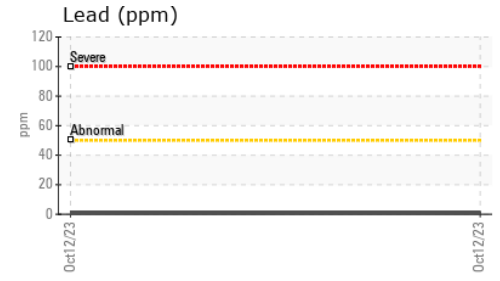
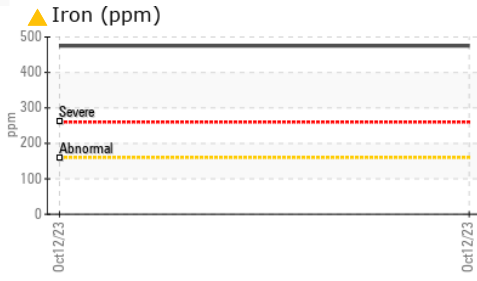


FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	35.0	<b>28.3</b>	---

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.** : WCM2006550 **Received** : 16 Oct 2023  
**Lab Number** : 05979885 **Diagnosed** : 18 Oct 2023  
**Unique Number** : 10697180 **Diagnostician** : Jonathan Hester  
**Test Package** : MOB 2

**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: