



# PROBLEM SUMMARY

Area  
**OKLAHOMA/105**  
 Machine Id  
**08.503 [OKLAHOMA^105]**  
 Component  
**Transmission (Auto)**  
 Fluid  
**MOBIL MOBILTRANS AST 30 (--- GAL)**

Sample Rating Trend

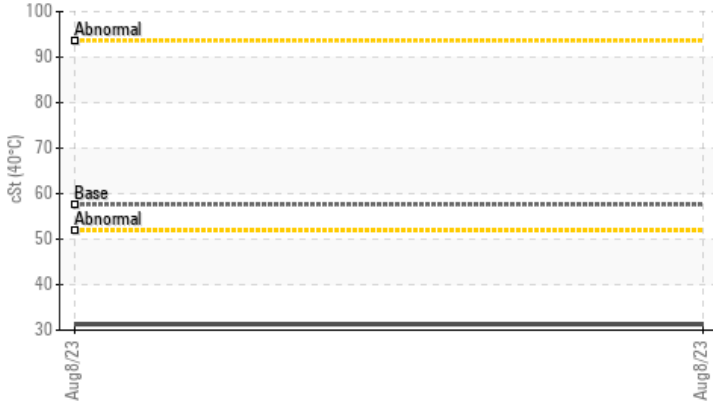


VISCOSITY

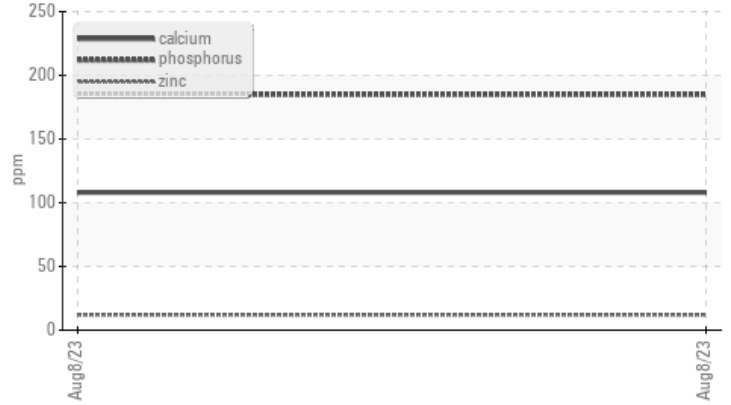


## COMPONENT CONDITION SUMMARY

### ▲ Viscosity @ 40°C



### ▲ Additives



## RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

## PROBLEMATIC TEST RESULTS

Sample Status				ATTENTION	---	---
Calcium	ppm	ASTM D5185m		▲ 108	---	---
Phosphorus	ppm	ASTM D5185m		▲ 185	---	---
Zinc	ppm	ASTM D5185m		▲ 12	---	---
Sulfur	ppm	ASTM D5185m		▲ 1283	---	---
Visc @ 40°C	cSt	ASTM D445	57.6	▲ 31.3	---	---

Customer Id: SHEWIC  
 Sample No.: WC0726221  
 Lab Number: 05923839  
 Test Package: CONST



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To discuss the diagnosis or test data:  
 Don Baldrige +1  
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To change component or sample information:  
 Customer Service +1 1-800-237-1369  
[customerservice@wearcheck.com](mailto:customerservice@wearcheck.com)

## RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Fluid	---	---	?	Oil and filter change at the time of sampling has been noted.
Change Filter	---	---	?	Oil and filter change at the time of sampling has been noted.

## HISTORICAL DIAGNOSIS

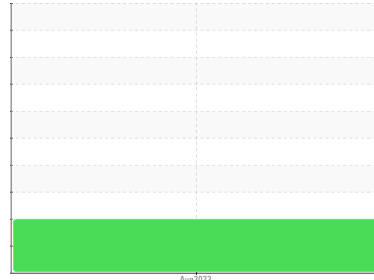


# OIL ANALYSIS REPORT

Sample Rating Trend

VISCOSITY

Area  
**OKLAHOMA/105**  
 Machine Id  
**08.503 [OKLAHOMA^105]**  
 Component  
**Transmission (Auto)**  
 Fluid  
**MOBIL MOBILTRANS AST 30 (--- GAL)**



## DIAGNOSIS

### ▲ Recommendation

Oil and filter change at the time of sampling has been noted. 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 fluid.

### ▲ Fluid Condition

The fluid viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>WC0726221</b>	---	---
Sample Date	Client Info	<b>08 Aug 2023</b>	---	---
Machine Age	hrs Client Info	<b>3325</b>	---	---
Oil Age	hrs Client Info	<b>3325</b>	---	---
Oil Changed	Client Info	<b>Changed</b>	---	---
Sample Status		<b>ATTENTION</b>	---	---

## WEAR METALS

method	limit/base	current	history1	history2
Iron ppm	ASTM D5185m >230	<b>99</b>	---	---
Chromium ppm	ASTM D5185m >2	<b>&lt;1</b>	---	---
Nickel ppm	ASTM D5185m >5	<b>&lt;1</b>	---	---
Titanium ppm	ASTM D5185m >2	<b>0</b>	---	---
Silver ppm	ASTM D5185m >5	<b>0</b>	---	---
Aluminum ppm	ASTM D5185m >65	<b>33</b>	---	---
Lead ppm	ASTM D5185m >55	<b>37</b>	---	---
Copper ppm	ASTM D5185m >85	<b>23</b>	---	---
Tin ppm	ASTM D5185m >5	<b>8</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>45</b>	---	---
Barium ppm	ASTM D5185m	<b>0</b>	---	---
Molybdenum ppm	ASTM D5185m	<b>&lt;1</b>	---	---
Manganese ppm	ASTM D5185m	<b>2</b>	---	---
Magnesium ppm	ASTM D5185m	<b>1</b>	---	---
Calcium ppm	ASTM D5185m	<b>▲ 108</b>	---	---
Phosphorus ppm	ASTM D5185m	<b>▲ 185</b>	---	---
Zinc ppm	ASTM D5185m	<b>▲ 12</b>	---	---
Sulfur ppm	ASTM D5185m	<b>▲ 1283</b>	---	---

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm	ASTM D5185m >20	<b>6</b>	---	---
Sodium ppm	ASTM D5185m	<b>4</b>	---	---
Potassium ppm	ASTM D5185m >20	<b>3</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>	---	---

## FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C cSt	ASTM D445 57.6	<b>▲ 31.3</b>	---	---



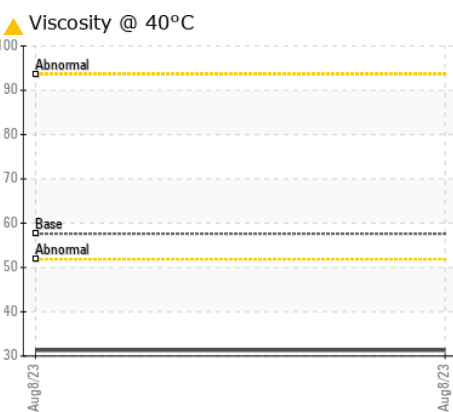
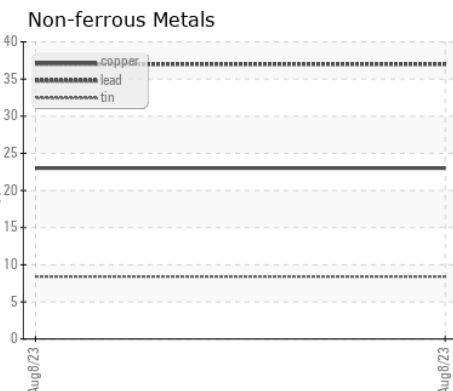
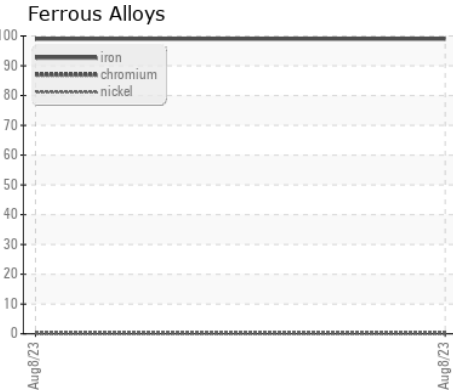
# OIL ANALYSIS REPORT



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



## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0726221      **Received** : 14 Aug 2023  
**Lab Number** : 05923839      **Diagnosed** : 15 Aug 2023  
**Unique Number** : 10603786      **Diagnostician** : Don Baldrige  
**Test Package** : CONST

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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)