

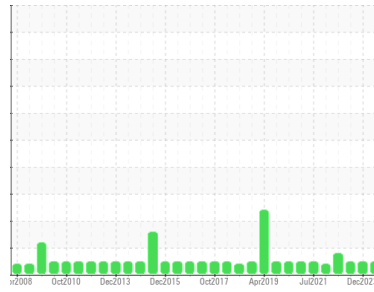


# OIL ANALYSIS REPORT



Area  
**OKLAHOMA/1151/EG - OTHER SERVICE**  
 Machine Id  
**48.03L [OKLAHOMA^1151^EG - OTHER SERVICE]**  
 Component  
**Rear Differential**  
 Fluid  
**MOBIL MOBILTRANS AST 30 (--- GAL)**

Sample Rating Trend



**NORMAL**



## DIAGNOSIS

### Recommendation

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 oil.

### Fluid Condition

The condition of the oil is acceptable for the time in service.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0935134</b>	WC0848847	WC0778257
Sample Date	Client Info		<b>28 May 2024</b>	21 Dec 2023	29 Sep 2023
Machine Age	hrs	Client Info	<b>20672</b>	20253	19862
Oil Age	hrs	Client Info	<b>19862</b>	487	1000
Oil Changed	Client Info		<b>N/A</b>	Not Changd	Changed
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

## CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>.2	<b>NEG</b>	NEG	NEG

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >500	<b>172</b>	125	239
Chromium	ppm	ASTM D5185m >3	<b>0</b>	<1	<1
Nickel	ppm	ASTM D5185m >3	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m >2	<b>0</b>	<1	<1
Silver	ppm	ASTM D5185m >2	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >30	<b>&lt;1</b>	2	1
Lead	ppm	ASTM D5185m >13	<b>0</b>	0	0
Copper	ppm	ASTM D5185m >103	<b>5</b>	4	17
Tin	ppm	ASTM D5185m >5	<b>&lt;1</b>	0	0
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>0</b>	0	6
Barium	ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185m	<b>10</b>	9	20
Manganese	ppm	ASTM D5185m	<b>2</b>	1	2
Magnesium	ppm	ASTM D5185m	<b>&lt;1</b>	<1	7
Calcium	ppm	ASTM D5185m	<b>298</b>	310	2936
Phosphorus	ppm	ASTM D5185m	<b>566</b>	560	971
Zinc	ppm	ASTM D5185m	<b>126</b>	101	1230
Sulfur	ppm	ASTM D5185m	<b>817</b>	769	7399

## CONTAMINANTS

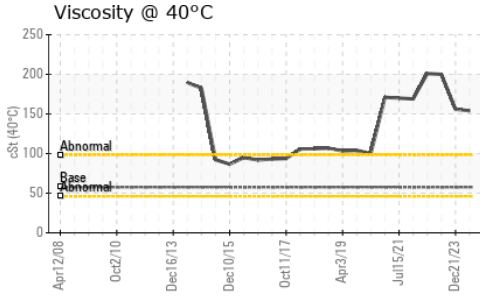
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >100	<b>26</b>	26	7
Sodium	ppm	ASTM D5185m	<b>7</b>	2	34
Potassium	ppm	ASTM D5185m >20	<b>&lt;1</b>	1	2

## VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Silt	scalar	*Visual NONE	<b>NONE</b>	LIGHT	NONE
Debris	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual >.2	<b>NEG</b>	NEG	NEG
Free Water	scalar	*Visual	<b>NEG</b>	NEG	NEG



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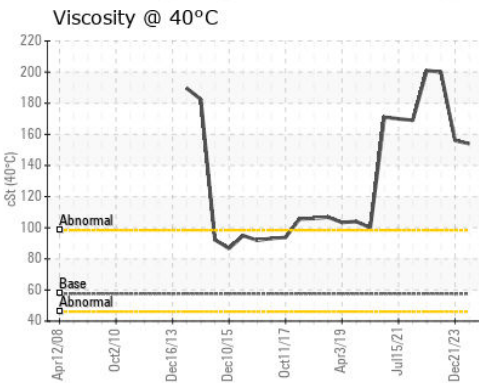
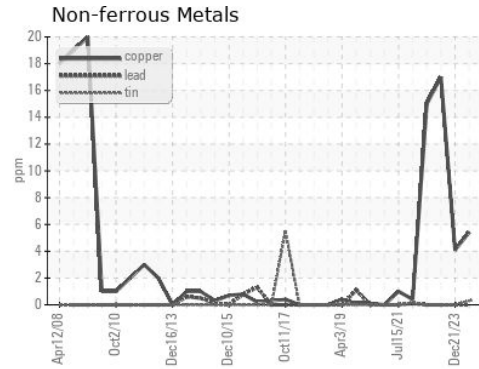
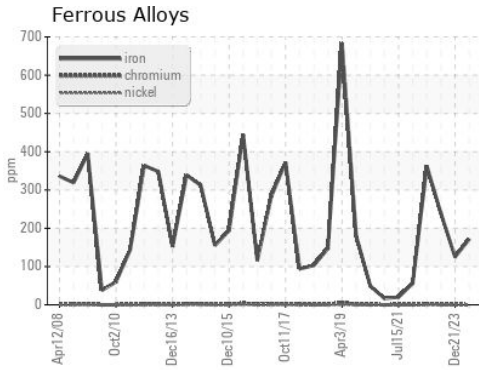
FLUID PROPERTIES	method	limit/base	current	history1	history2
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Visc @ 40°C	cSt	ASTM D445	57.6	<b>154</b>	156	200
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SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color				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.** : WC0935134  
**Lab Number** : **06200659**  
**Unique Number** : 11062782  
**Test Package** : CONST

**Received** : 05 Jun 2024  
**Tested** : 06 Jun 2024  
**Diagnosed** : 07 Jun 2024 - Sean Felton

**SHERWOOD CONSTRUCTION CO INC**  
 3219 WEST MAY ST  
 WICHITA, KS  
 US 67213  
 Contact: DOUG KING  
 doug.king@sherwood.net  
 T: (316)617-3161  
 F: x:

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)