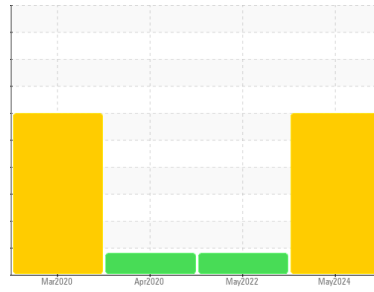




# PROBLEM SUMMARY

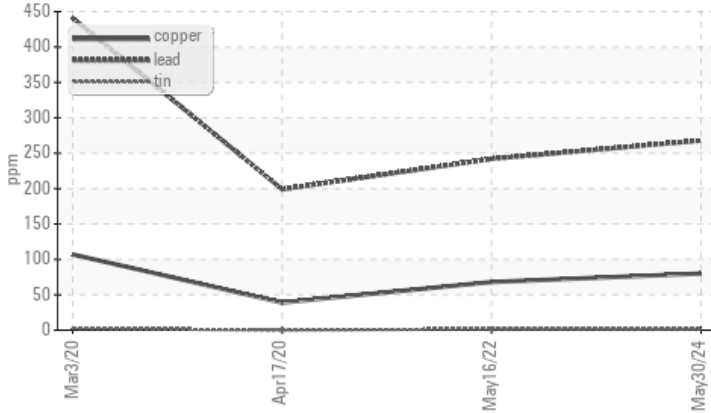
Area  
**OKLAHOMA/102/EG - OTHER SERVICE**  
 Machine Id  
**21.42L [OKLAHOMA^102^EG - OTHER SERVICE]**  
 Component  
**Transmission (Manual)**  
 Fluid  
**MOBIL MOBILFLUID 424 (5 GAL)**

Sample Rating Trend



## COMPONENT CONDITION SUMMARY

### ▲ Non-ferrous Metals



## RECOMMENDATION

Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

## PROBLEMATIC TEST RESULTS

Sample Status		SEVERE	ABNORMAL	ABNORMAL	
Lead	ppm	ASTM D5185m >45	▲ 268	▲ 242	▲ 199

Customer Id: SHEWIC  
 Sample No.: WC0908892  
 Lab Number: 06208221  
 Test Package: CONST



To manage this report scan the QR code

To discuss the diagnosis or test data:  
 Angela Borella +1 800-237-1369  
[angela.borella@wearcheckusa.com](mailto:angela.borella@wearcheckusa.com)

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.
Resample	---	---	?	We recommend an early resample to monitor this condition.

## HISTORICAL DIAGNOSIS

WEAR



### 16 May 2022 Diag: Jonathan Hester

No corrective action is recommended at this time. Resample at the next service interval to monitor. Clutch wear is indicated. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.

view report



WEAR



### 17 Apr 2020 Diag: Don Baldrige

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. The lead level has decreased, but is still abnormal. All other component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.

view report



WEAR



### 03 Mar 2020 Diag: Don Baldrige

We recommend an early resample to monitor this condition. The lead level is abnormal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.

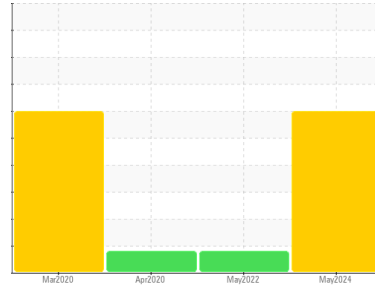
view report





# OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Area

OKLAHOMA/102/EG - OTHER SERVICE

Machine Id  
21.42L [OKLAHOMA^102^EG - OTHER SERVICE]

Component

Transmission (Manual)

Fluid

MOBIL MOBILFLUID 424 (5 GAL)

## DIAGNOSIS

### Recommendation

Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

### Wear

The lead level is abnormal.

### Contamination

There is no indication of any contamination in the fluid.

### Fluid Condition

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

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0908892	WC0678756	WC0446445
Sample Date	Client Info		30 May 2024	16 May 2022	17 Apr 2020
Machine Age	hrs	Client Info	6738	5872	5036
Oil Age	hrs	Client Info	1702	675	500
Oil Changed	Client Info		Changed	N/A	Changed
Sample Status			SEVERE	ABNORMAL	ABNORMAL

## CONTAMINATION

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

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >200	16	10	6
Chromium	ppm	ASTM D5185m >5	<1	<1	<1
Nickel	ppm	ASTM D5185m >5	0	<1	<1
Titanium	ppm	ASTM D5185m	<1	<1	<1
Silver	ppm	ASTM D5185m >7	<1	1	<1
Aluminum	ppm	ASTM D5185m >25	2	1	1
Lead	ppm	ASTM D5185m >45	▲ 268	▲ 242	▲ 199
Copper	ppm	ASTM D5185m >225	80	68	39
Tin	ppm	ASTM D5185m >10	1	2	0
Antimony	ppm	ASTM D5185m	---	---	<1
Vanadium	ppm	ASTM D5185m	0	0	0
Cadmium	ppm	ASTM D5185m	<1	<1	<1

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	105	109	76
Barium	ppm	ASTM D5185m	0	0	0
Molybdenum	ppm	ASTM D5185m	<1	1	<1
Manganese	ppm	ASTM D5185m	<1	<1	<1
Magnesium	ppm	ASTM D5185m	13	16	15
Calcium	ppm	ASTM D5185m	3163	3289	3387
Phosphorus	ppm	ASTM D5185m	979	1022	984
Zinc	ppm	ASTM D5185m	1232	1194	1212
Sulfur	ppm	ASTM D5185m	5196	4090	4072

## CONTAMINANTS

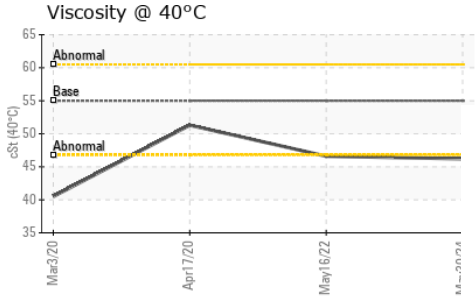
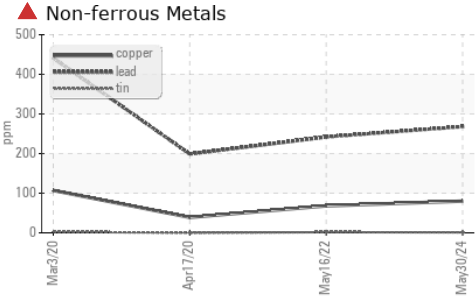
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >125	9	8	9
Sodium	ppm	ASTM D5185m	1	4	4
Potassium	ppm	ASTM D5185m >20	5	<1	2

## VISUAL

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



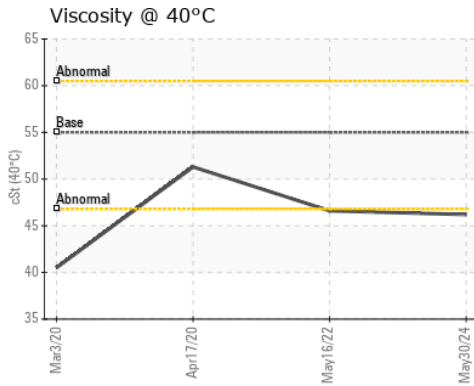
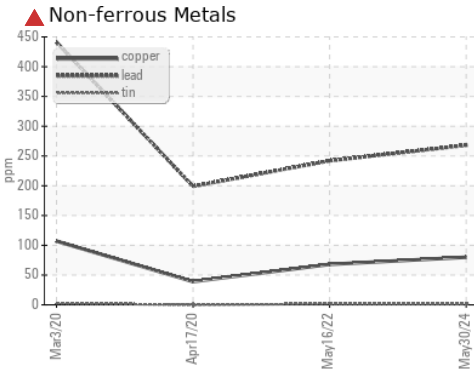
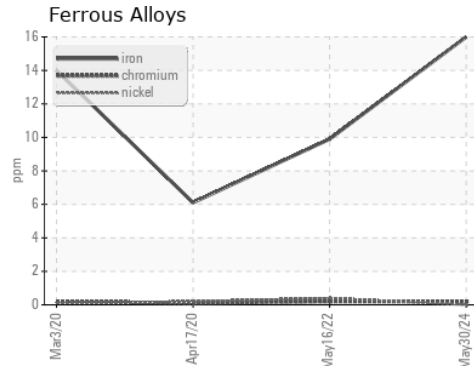
# OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 55	46.2	46.6	51.3

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.** : WC0908892      **Received** : 12 Jun 2024  
**Lab Number** : 06208221      **Tested** : 14 Jun 2024  
**Unique Number** : 11075682      **Diagnosed** : 14 Jun 2024 - Angela Borella  
**Test Package** : CONST

**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)