

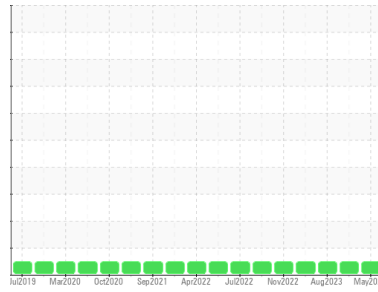


# OIL ANALYSIS REPORT



Area  
**COLORADO/443/TR - LOADER**  
 Machine Id  
**46.85L [COLORADO^443^TR - LOADER]**  
 Component  
**Transmission (Manual)**  
 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 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		<b>WC0928682</b>	WC0884074	WC0823064
Sample Date	Client Info		<b>08 May 2024</b>	01 Feb 2024	31 Aug 2023
Machine Age	hrs	Client Info	<b>10106</b>	9966	9622
Oil Age	hrs	Client Info	<b>140</b>	0	574
Oil Changed	Client Info		<b>Not Chngd</b>	Changed	Not Chngd
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

### CONTAMINATION

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

### WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>200	<b>10</b>	14	13
Chromium	ppm	ASTM D5185m	>5	<b>0</b>	<1	0
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	1	0
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	0
Silver	ppm	ASTM D5185m	>7	<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185m	>25	<b>1</b>	3	<1
Lead	ppm	ASTM D5185m	>45	<b>1</b>	2	<1
Copper	ppm	ASTM D5185m	>225	<b>3</b>	6	4
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	1	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	0
Cadmium	ppm	ASTM D5185m		<b>0</b>	<1	0

### ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m		<b>34</b>	37	34
Barium	ppm	ASTM D5185m		<b>0</b>	0	7
Molybdenum	ppm	ASTM D5185m		<b>0</b>	1	0
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	1	<1
Magnesium	ppm	ASTM D5185m		<b>12</b>	12	18
Calcium	ppm	ASTM D5185m		<b>3075</b>	3114	3058
Phosphorus	ppm	ASTM D5185m		<b>1009</b>	1030	920
Zinc	ppm	ASTM D5185m		<b>1222</b>	1222	1174
Sulfur	ppm	ASTM D5185m		<b>5629</b>	4617	4948

### CONTAMINANTS

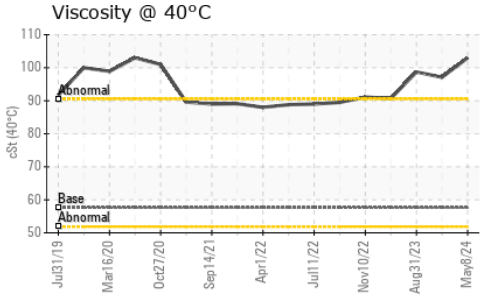
	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>125	<b>4</b>	5	4
Sodium	ppm	ASTM D5185m		<b>2</b>	0	<1
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	2	0

### 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>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	LIGHT	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	>0.1	<b>NEG</b>	NEG	NEG
Free Water	scalar	*Visual		<b>NEG</b>	NEG	NEG



# OIL ANALYSIS REPORT

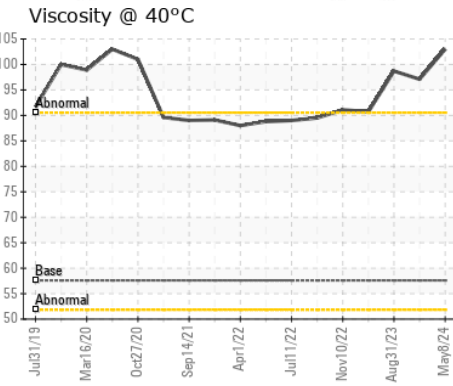
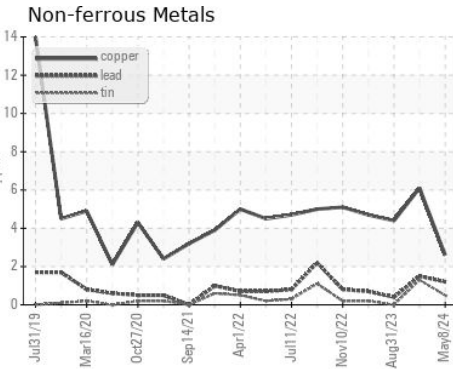
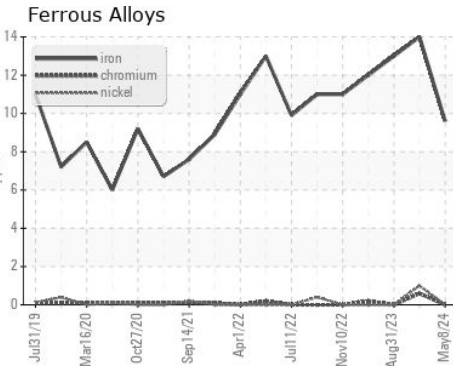


FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	57.6	<b>103</b>	97.1	98.7

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.** : WC0928682      **Received** : 13 May 2024  
**Lab Number** : **06177636**      **Tested** : 14 May 2024  
**Unique Number** : 11023689      **Diagnosed** : 15 May 2024 - Don Baldrige  
**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)