

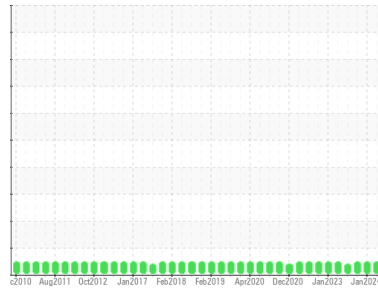


# OIL ANALYSIS REPORT



Area  
**OKLAHOMA/115/EG - LOADER**  
 Machine Id  
**48.83L [OKLAHOMA^115^EG - 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 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>WC0908734</b>	WC0886883	WC0848987
Sample Date	Client Info			<b>05 Apr 2024</b>	29 Jan 2024	20 Sep 2023
Machine Age	hrs	Client Info		<b>11425</b>	11101	19800
Oil Age	hrs	Client Info		<b>500</b>	500	1000
Oil Changed	Client Info			<b>Not Chngd</b>	Not Chngd	Changed
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>16</b>	13	11
Chromium	ppm	ASTM D5185m	>5	<b>0</b>	<1	<1
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	<1
Silver	ppm	ASTM D5185m	>7	<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185m	>25	<b>0</b>	<1	2
Lead	ppm	ASTM D5185m	>45	<b>0</b>	2	<1
Copper	ppm	ASTM D5185m	>225	<b>10</b>	14	12
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	1	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	0
Cadmium	ppm	ASTM D5185m		<b>0</b>	<1	0

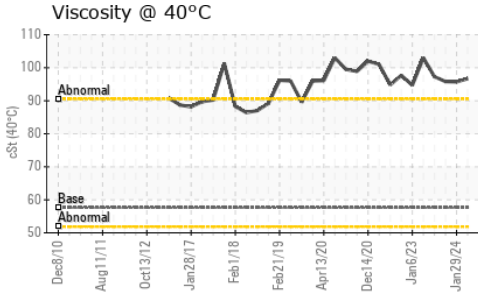
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>31</b>	31	29
Barium	ppm	ASTM D5185m		<b>0</b>	5	0
Molybdenum	ppm	ASTM D5185m		<b>0</b>	2	<1
Manganese	ppm	ASTM D5185m		<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185m		<b>19</b>	15	16
Calcium	ppm	ASTM D5185m		<b>3149</b>	2774	2988
Phosphorus	ppm	ASTM D5185m		<b>1070</b>	883	1013
Zinc	ppm	ASTM D5185m		<b>1296</b>	1156	1233
Sulfur	ppm	ASTM D5185m		<b>5485</b>	4567	4622

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>125	<b>6</b>	7	6
Sodium	ppm	ASTM D5185m		<b>3</b>	0	2
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	2	<1

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	LIGHT
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>	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	>0.1	<b>NEG</b>	NEG	NEG
Free Water	scalar	*Visual		<b>NEG</b>	NEG	NEG



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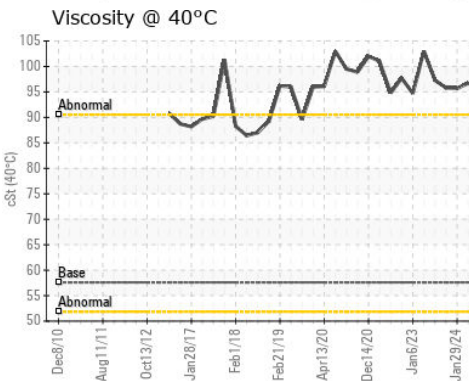
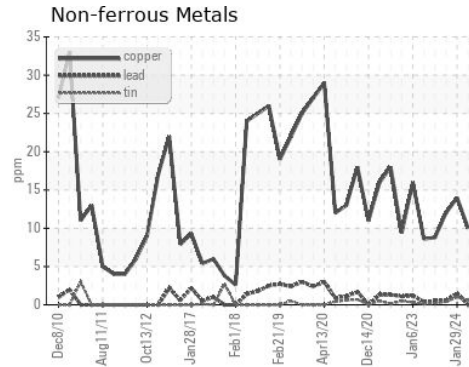
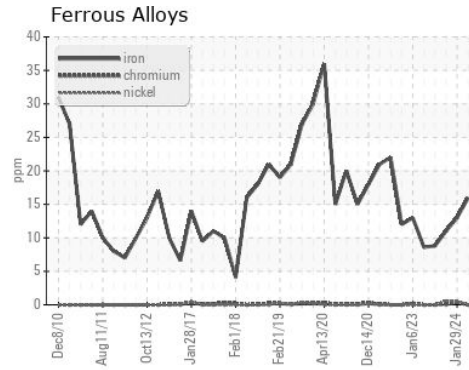


FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	57.6	<b>96.7</b>	95.7	95.8

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.** : WC0908734  
**Lab Number** : **06160811**  
**Unique Number** : 10996234  
**Test Package** : CONST

**Received** : 25 Apr 2024  
**Tested** : 26 Apr 2024  
**Diagnosed** : 29 Apr 2024 - Don Baldrige

**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)