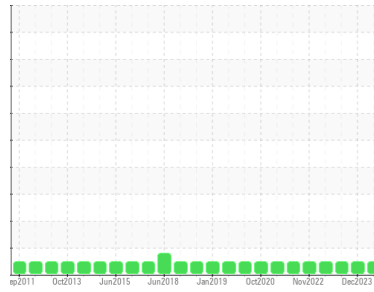




# OIL ANALYSIS REPORT

Area  
**KANSAS/44/EG - LOADER**  
 Machine Id  
**47.08L [KANSAS^44^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>WC0918315</b>	WC0862566	WC0779737
Sample Date	Client Info		<b>09 Jul 2024</b>	22 Dec 2023	29 Nov 2023
Machine Age	hrs	Client Info	<b>11462</b>	11201	11146
Oil Age	hrs	Client Info	<b>316</b>	11201	11146
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>9</b>	9	18
Chromium	ppm	ASTM D5185m >5	<b>0</b>	<1	<1
Nickel	ppm	ASTM D5185m >5	<b>&lt;1</b>	0	0
Titanium	ppm	ASTM D5185m	<b>0</b>	0	0
Silver	ppm	ASTM D5185m >7	<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m >25	<b>1</b>	2	2
Lead	ppm	ASTM D5185m >45	<b>&lt;1</b>	0	<1
Copper	ppm	ASTM D5185m >225	<b>5</b>	8	18
Tin	ppm	ASTM D5185m >10	<b>&lt;1</b>	0	<1
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>15</b>	46	33
Barium	ppm	ASTM D5185m	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	<b>0</b>	<1	1
Manganese	ppm	ASTM D5185m	<b>0</b>	0	0
Magnesium	ppm	ASTM D5185m	<b>18</b>	21	14
Calcium	ppm	ASTM D5185m	<b>3166</b>	4129	2941
Phosphorus	ppm	ASTM D5185m	<b>1117</b>	1494	998
Zinc	ppm	ASTM D5185m	<b>1325</b>	1691	1227
Sulfur	ppm	ASTM D5185m	<b>6315</b>	8069	6308

### CONTAMINANTS

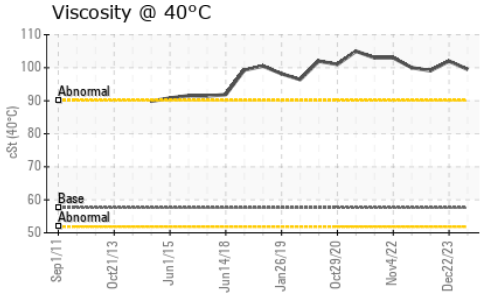
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >125	<b>5</b>	6	5
Sodium	ppm	ASTM D5185m	<b>3</b>	0	2
Potassium	ppm	ASTM D5185m >20	<b>&lt;1</b>	2	1

### 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>	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



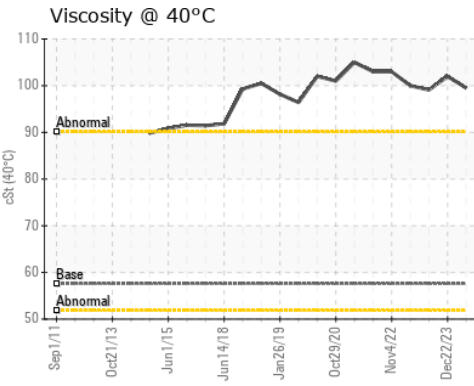
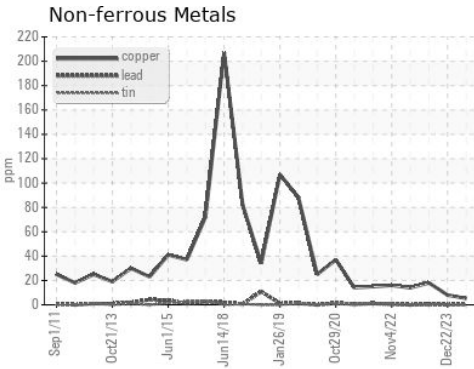
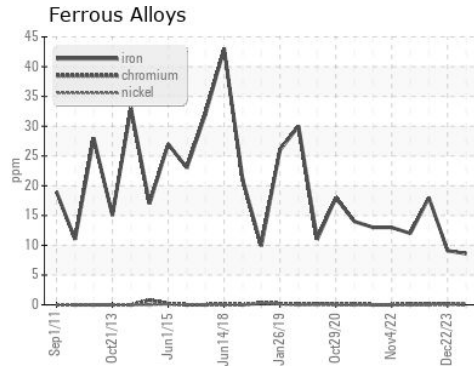
# OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	57.6	<b>99.5</b>	102	99.1

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.** : WC0918315      **Received** : 15 Jul 2024  
**Lab Number** : **06237157**      **Tested** : 17 Jul 2024  
**Unique Number** : 11125991      **Diagnosed** : 17 Jul 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)