



# OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>



Area  
**KANSAS/44/EG - LOADER**  
Machine Id  
**46.68L [KANSAS^44^EG - LOADER]**  
Component  
**Transmission (Manual)**  
Fluid  
**MOBIL MOBILTRANS AST 30 (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0918154</b>	WC0833928	WC0833829
Sample Date		Client Info		<b>09 Apr 2024</b>	18 Oct 2023	03 Oct 2023
Machine Age	hrs	Client Info		<b>10892</b>	10593	10573
Oil Age	hrs	Client Info		<b>2142</b>	8750	8750
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changed</b>	N/A	N/A
Filter Changed		Client Info		<b>Changed</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>200	<b>34</b>	24	25
Chromium	ppm	ASTM D5185m	>5	<b>&lt;1</b>	0	0
Nickel	ppm	ASTM D5185m	>5	<b>1</b>	0	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m	>7	<b>&lt;1</b>	<1	0
Aluminum	ppm	ASTM D5185m	>25	<b>1</b>	1	1
Lead	ppm	ASTM D5185m	>45	<b>2</b>	0	<1
Copper	ppm	ASTM D5185m	>225	<b>8</b>	6	6
Tin	ppm	ASTM D5185m	>10	<b>2</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

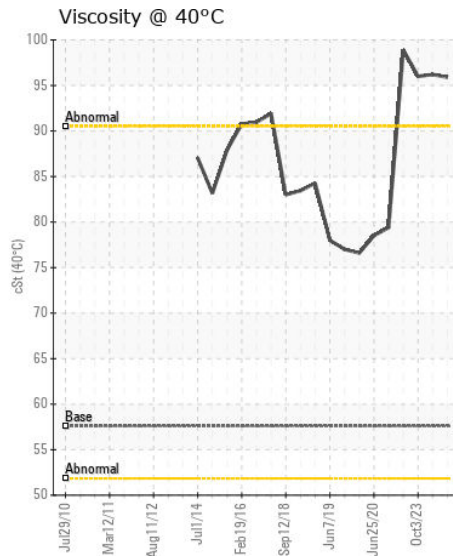
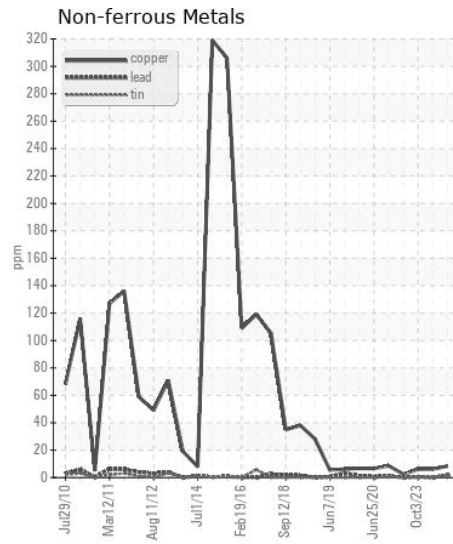
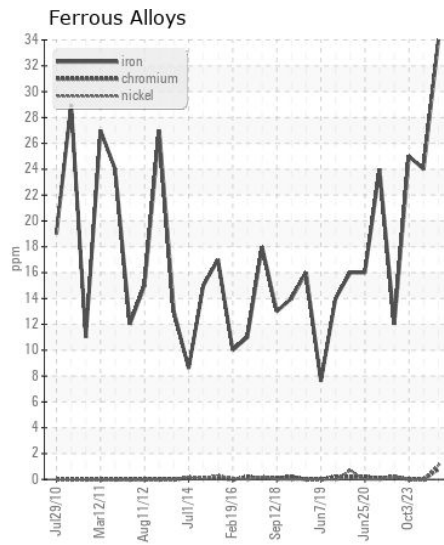
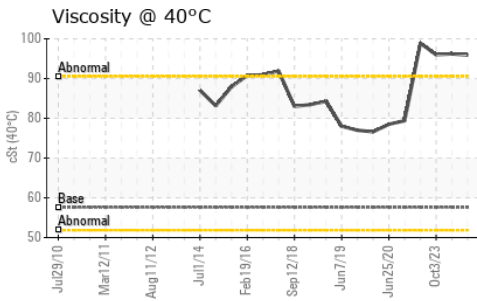
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>125	<b>7</b>	6	6
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	<1	<1
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
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

## FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>18</b>	17	18
Boron	ppm	ASTM D5185m		<b>34</b>	30	32
Barium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>2</b>	0	0
Manganese	ppm	ASTM D5185m		<b>1</b>	<1	<1
Magnesium	ppm	ASTM D5185m		<b>13</b>	24	16
Calcium	ppm	ASTM D5185m		<b>2896</b>	2697	2718
Phosphorus	ppm	ASTM D5185m		<b>1132</b>	971	981
Zinc	ppm	ASTM D5185m		<b>1204</b>	1166	1222
Sulfur	ppm	ASTM D5185m		<b>5761</b>	4686	4745
Visc @ 40°C	cSt	ASTM D445	57.6	<b>95.9</b>	96.2	96.0



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0918154  
**Lab Number** : 06152407  
**Unique Number** : 10982485  
**Test Package** : CONST

**Received** : 17 Apr 2024  
**Tested** : 18 Apr 2024  
**Diagnosed** : 18 Apr 2024 - Wes Davis

**SHERWOOD CONSTRUCTION CO INC**  
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 WICHITA, KS  
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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)

F: x: