



# OIL ANALYSIS REPORT

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



Area  
**OKLAHOMA/102/EG - ROLLER/COMPACTOR**  
Machine Id  
**64.35L [OKLAHOMA^102^EG - ROLLER/COMPACTOR]**  
Component  
**Drive End Drum Gearbox**  
Fluid  
**MOBIL SHC 630 (3 GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor. ( Customer Sample Comment: 2672 hrs )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0864283</b>	WC0746249	WC0578340
Sample Date		Client Info		<b>18 Dec 2023</b>	21 Oct 2022	23 Jun 2021
Machine Age	hrs	Client Info		<b>2672</b>	1693	631
Oil Age	hrs	Client Info		<b>631</b>	480	631
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	Not Changd	Changed
Filter Changed		Client Info		<b>N/A</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>4</b>	2	4
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	2	0
Aluminum	ppm	ASTM D5185m		<b>2</b>	0	0
Lead	ppm	ASTM D5185m		<b>0</b>	0	0
Copper	ppm	ASTM D5185m		<b>3</b>	2	2
Tin	ppm	ASTM D5185m		<b>0</b>	0	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	LIGHT	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

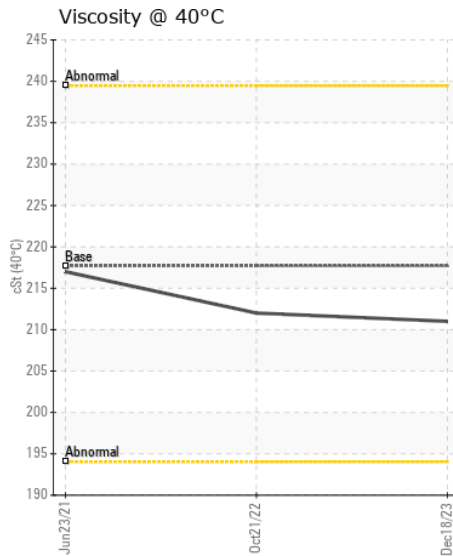
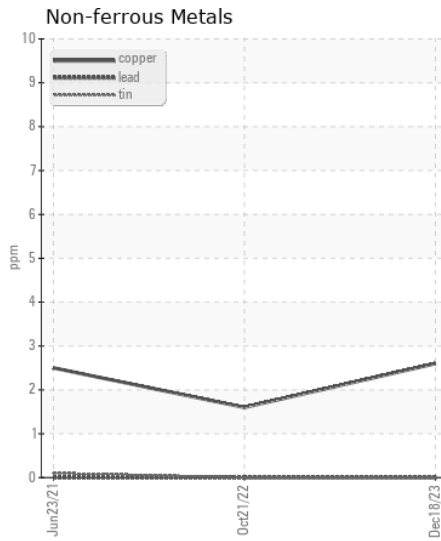
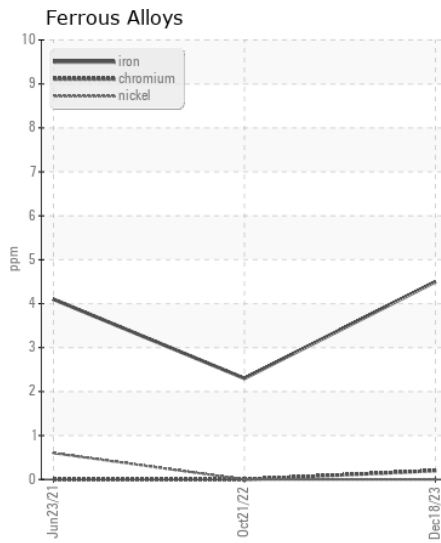
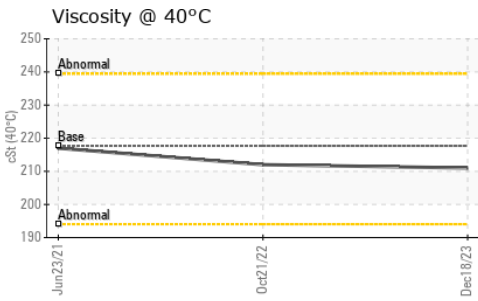
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m		<b>18</b>	13	15
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	11	0
Water		WC Method	>0.2	<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	>0.2	<b>NEG</b>	NEG	NEG

## FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>&lt;1</b>	5	2
Boron	ppm	ASTM D5185m		<b>0</b>	2	<1
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>0</b>	0	<1
Manganese	ppm	ASTM D5185m		<b>0</b>	<1	0
Magnesium	ppm	ASTM D5185m		<b>0</b>	6	1
Calcium	ppm	ASTM D5185m		<b>15</b>	0	30
Phosphorus	ppm	ASTM D5185m		<b>426</b>	244	389
Zinc	ppm	ASTM D5185m		<b>34</b>	13	0
Sulfur	ppm	ASTM D5185m		<b>248</b>	224	109
Visc @ 40°C	cSt	ASTM D445	217.7	<b>211</b>	212	217



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0864283  
**Lab Number** : 06057013  
**Unique Number** : 10822962  
**Test Package** : CONST  
**Received** : 10 Jan 2024  
**Tested** : 11 Jan 2024  
**Diagnosed** : 11 Jan 2024 - Sean Felton

**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)