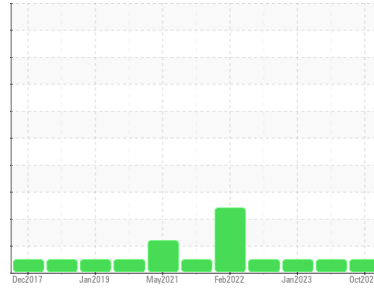




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area  
**KANSAS/15/EG - EXCAVATOR**  
 Machine Id  
**20.142L [KANSAS^15^EG - EXCAVATOR]**  
 Component  
**Rear Right Final Drive**  
 Fluid  
**MOBIL MOBILTRANS HD 50 (--- GAL)**

## 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>WC0833859</b>	WC0746085	WC0741834
Sample Date	Client Info		<b>13 Oct 2023</b>	08 Jun 2023	18 Jan 2023
Machine Age	hrs	Client Info	<b>6095</b>	5820	5413
Oil Age	hrs	Client Info	<b>275</b>	4489	4637
Oil Changed	Client Info		<b>Not Chngd</b>	Changed	Not Chngd
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >800	<b>23</b>	86	54
Chromium	ppm	ASTM D5185m >10	<b>0</b>	0	<1
Nickel	ppm	ASTM D5185m >5	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185m >15	<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m >2	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >75	<b>2</b>	2	3
Lead	ppm	ASTM D5185m >10	<b>1</b>	0	<1
Copper	ppm	ASTM D5185m >75	<b>&lt;1</b>	0	<1
Tin	ppm	ASTM D5185m >8	<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>3</b>	4	2
Barium	ppm	ASTM D5185m	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	<b>1</b>	1	2
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m	<b>40</b>	25	25
Calcium	ppm	ASTM D5185m	<b>2963</b>	3229	2850
Phosphorus	ppm	ASTM D5185m	<b>1093</b>	1072	923
Zinc	ppm	ASTM D5185m	<b>1293</b>	1373	1217
Sulfur	ppm	ASTM D5185m	<b>7403</b>	10491	9276

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >400	<b>11</b>	25	16
Sodium	ppm	ASTM D5185m	<b>3</b>	4	2
Potassium	ppm	ASTM D5185m >20	<b>1</b>	4	2

## VISUAL

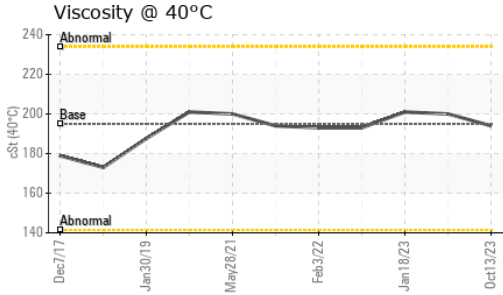
	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	<b>NONE</b>	NONE	MODER
Yellow Metal	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Silt	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
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 >0.2	<b>NEG</b>	NEG	NEG
Free Water	scalar	*Visual	<b>NEG</b>	NEG	NEG

## FLUID PROPERTIES

	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 195	<b>194</b>	200	201

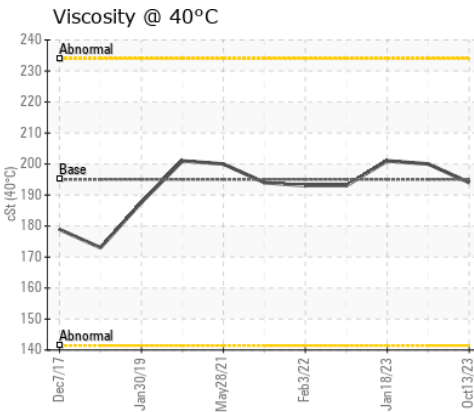
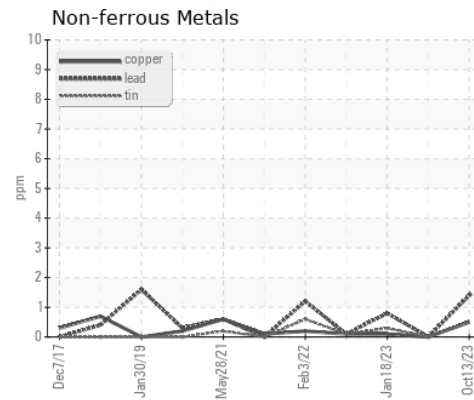
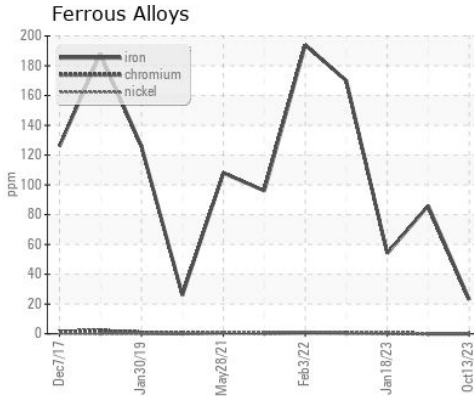


# OIL ANALYSIS REPORT



SAMPLE IMAGES	method	limit/base	current	history1	history2
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.** : WC0833859      **Received** : 31 Oct 2023  
**Lab Number** : **05994762**      **Diagnosed** : 01 Nov 2023  
**Unique Number** : 10723122      **Diagnostician** : Don Baldridge  
**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)