



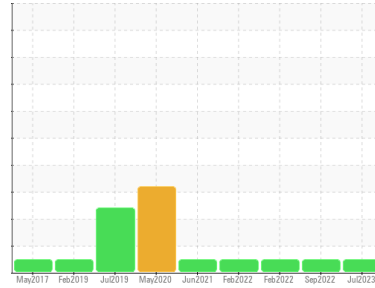
# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**OKLAHOMA/102/EG - EXCAVATOR**  
 Machine Id  
**20.511L [OKLAHOMA^102^EG - EXCAVATOR]**  
 Component  
**Rear Left 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>WC0808021</b>	WC0738589	WC0662336
Sample Date	Client Info		<b>05 Jul 2023</b>	10 Sep 2022	18 Feb 2022
Machine Age	hrs	Client Info	<b>7686</b>	7291	6853
Oil Age	hrs	Client Info	<b>395</b>	1000	396
Oil Changed	Client Info		<b>Changed</b>	Changed	Not Changed
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >800	<b>150</b>	315	391
Chromium	ppm	ASTM D5185m >10	<b>&lt;1</b>	2	2
Nickel	ppm	ASTM D5185m >5	<b>0</b>	0	0
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>6</b>	10	13
Lead	ppm	ASTM D5185m >10	<b>&lt;1</b>	0	<1
Copper	ppm	ASTM D5185m >75	<b>&lt;1</b>	<1	<1
Tin	ppm	ASTM D5185m >8	<b>&lt;1</b>	<1	<1
Antimony	ppm	ASTM D5185m >50	<b>---</b>	---	<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>10</b>	0	9
Barium	ppm	ASTM D5185m	<b>0</b>	<1	0
Molybdenum	ppm	ASTM D5185m	<b>4</b>	3	4
Manganese	ppm	ASTM D5185m	<b>2</b>	3	3
Magnesium	ppm	ASTM D5185m	<b>39</b>	29	37
Calcium	ppm	ASTM D5185m	<b>3267</b>	3026	3187
Phosphorus	ppm	ASTM D5185m	<b>1091</b>	1001	1051
Zinc	ppm	ASTM D5185m	<b>1377</b>	1252	1237
Sulfur	ppm	ASTM D5185m	<b>10316</b>	10060	10865

## CONTAMINANTS

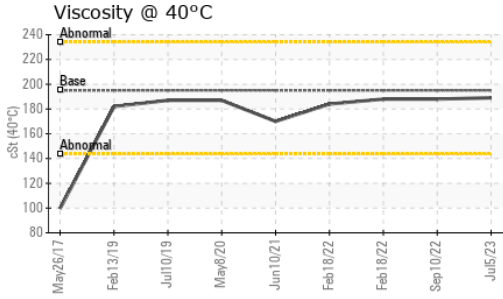
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >400	<b>26</b>	48	57
Sodium	ppm	ASTM D5185m	<b>2</b>	<1	0
Potassium	ppm	ASTM D5185m >20	<b>2</b>	0	0

## VISUAL

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



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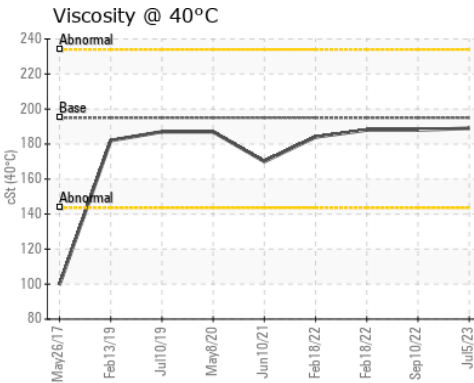
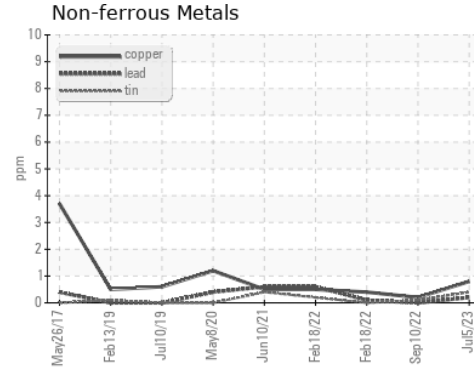
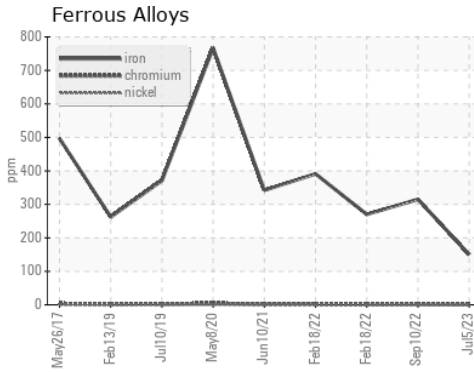


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	195	<b>189</b>	188	188

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.** : WC0808021      **Received** : 14 Jul 2023  
**Lab Number** : \*05898950      **Diagnosed** : 17 Jul 2023  
**Unique Number** : 10560306      **Diagnostician** : 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)