



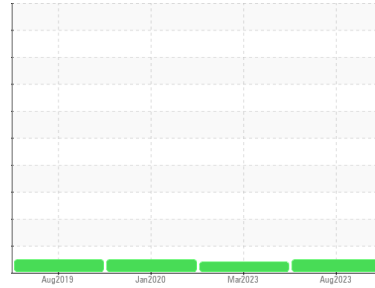
# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**OKLAHOMA/3/EG - EXCAVATOR**  
 Machine Id  
**20.72L [OKLAHOMA^3^EG - EXCAVATOR]**  
 Component  
**Right Swing 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>WC0834147</b>	WC0792529	WC0411426
Sample Date	Client Info		<b>01 Aug 2023</b>	03 Mar 2023	03 Jan 2020
Machine Age	hrs	Client Info	<b>9421</b>	8773	5543
Oil Age	hrs	Client Info	<b>300</b>	7742	163
Oil Changed	Client Info		<b>Changed</b>	Changed	Not Changed
Sample Status			<b>NORMAL</b>	ATTENTION	NORMAL

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >400	<b>163</b>	221	88
Chromium	ppm	ASTM D5185m >10	<b>2</b>	3	1
Nickel	ppm	ASTM D5185m >10	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >25	<b>2</b>	2	2
Lead	ppm	ASTM D5185m >50	<b>0</b>	0	<1
Copper	ppm	ASTM D5185m >200	<b>&lt;1</b>	<1	<1
Tin	ppm	ASTM D5185m >10	<b>0</b>	0	0
Antimony	ppm	ASTM D5185m >5	<b>---</b>	---	24
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>6</b>	9	27
Barium	ppm	ASTM D5185m	<b>2</b>	0	0
Molybdenum	ppm	ASTM D5185m	<b>5</b>	10	28
Manganese	ppm	ASTM D5185m	<b>1</b>	2	<1
Magnesium	ppm	ASTM D5185m	<b>9</b>	8	11
Calcium	ppm	ASTM D5185m	<b>1339</b>	998	2670
Phosphorus	ppm	ASTM D5185m	<b>713</b>	632	922
Zinc	ppm	ASTM D5185m	<b>594</b>	453	1080
Sulfur	ppm	ASTM D5185m	<b>5233</b>	5188	14033

## CONTAMINANTS

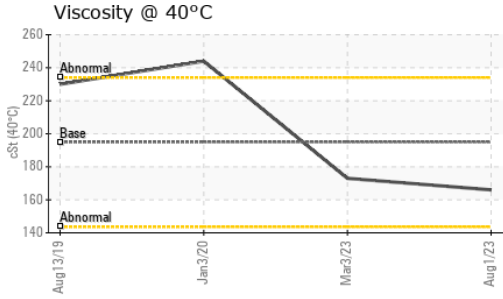
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	<b>20</b>	24	12
Sodium	ppm	ASTM D5185m	<b>0</b>	1	3
Potassium	ppm	ASTM D5185m >20	<b>1</b>	1	3

## 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 >0.2	<b>NEG</b>	NEG	NEG
Free Water	scalar	*Visual	<b>NEG</b>	NEG	NEG



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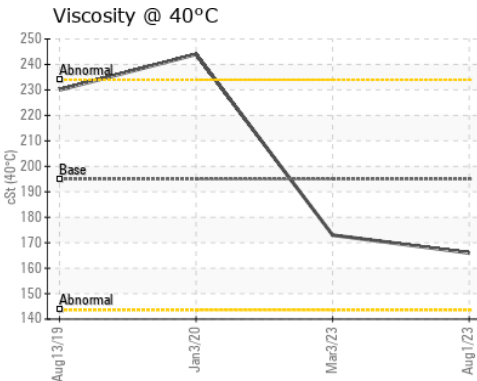
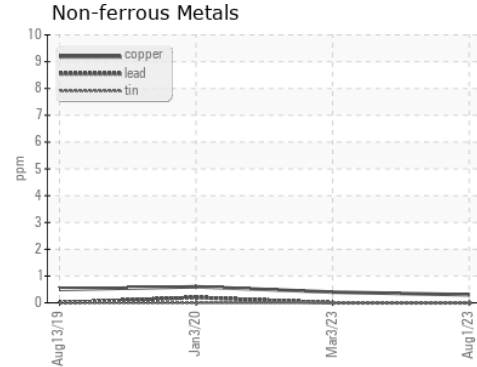
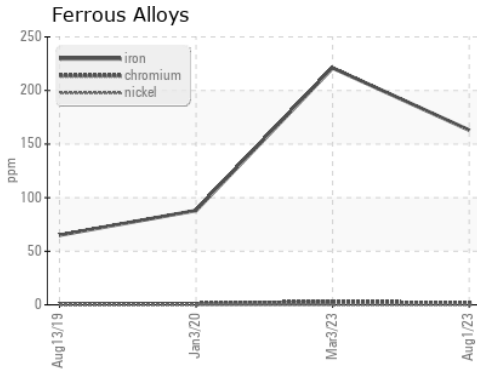
### FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D445	195	<b>166</b>	▲ 173 244

### SAMPLE IMAGES

method	limit/base	current	history1	history2
Color			no image	no image
Bottom			no image	no image

### GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0834147  
**Lab Number** : **05923763**  
**Unique Number** : 10603710  
**Test Package** : CONST

**Received** : 14 Aug 2023  
**Diagnosed** : 15 Aug 2023  
**Diagnostician** : Don Baldrige

**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)