

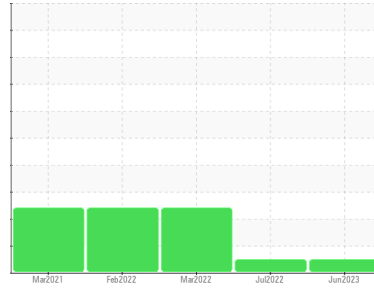


# OIL ANALYSIS REPORT



Area  
**OKLAHOMA/102**  
Machine Id  
**35.105L [OKLAHOMA^102]**  
Component  
**Right Final Drive**  
Fluid  
**MOBIL MOBILTRANS HD 50 (2 GAL)**

Sample Rating Trend



**NORMAL**



## 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>WC0808023</b>	WC0713197	WC0678856
Sample Date	Client Info	<b>30 Jun 2023</b>	21 Jul 2022	15 Mar 2022
Machine Age	hrs Client Info	<b>2950</b>	2390	2053
Oil Age	hrs Client Info	<b>897</b>	337	2053
Oil Changed	Client Info	<b>Not Chngd</b>	Not Chngd	Changed
Sample Status		<b>NORMAL</b>	NORMAL	ATTENTION

## WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >800	<b>56</b>	27	97
Chromium	ppm ASTM D5185m >10	<b>2</b>	1	4
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	<1
Aluminum	ppm ASTM D5185m >75	<b>2</b>	2	2
Lead	ppm ASTM D5185m >10	<b>&lt;1</b>	<1	<1
Copper	ppm ASTM D5185m >75	<b>&lt;1</b>	<1	<1
Tin	ppm ASTM D5185m >8	<b>&lt;1</b>	0	0
Antimony	ppm ASTM D5185m >50	<b>---</b>	---	---
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>37</b>	42	▲ 106
Barium	ppm ASTM D5185m	<b>1</b>	1	3
Molybdenum	ppm ASTM D5185m	<b>2</b>	2	<1
Manganese	ppm ASTM D5185m	<b>2</b>	2	5
Magnesium	ppm ASTM D5185m	<b>21</b>	20	<1
Calcium	ppm ASTM D5185m	<b>2573</b>	2421	▲ 334
Phosphorus	ppm ASTM D5185m	<b>937</b>	828	▲ 339
Zinc	ppm ASTM D5185m	<b>1063</b>	974	▲ 35
Sulfur	ppm ASTM D5185m	<b>12638</b>	11132	▲ 6213

## CONTAMINANTS

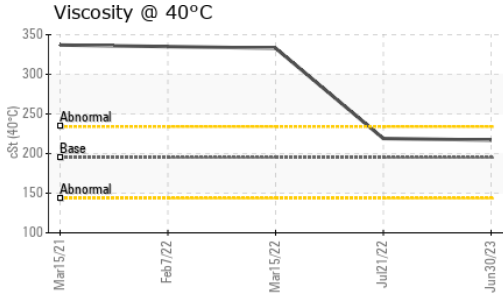
method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >400	<b>10</b>	7	10
Sodium	ppm ASTM D5185m	<b>2</b>	2	6
Potassium	ppm ASTM D5185m >20	<b>&lt;1</b>	0	0

## 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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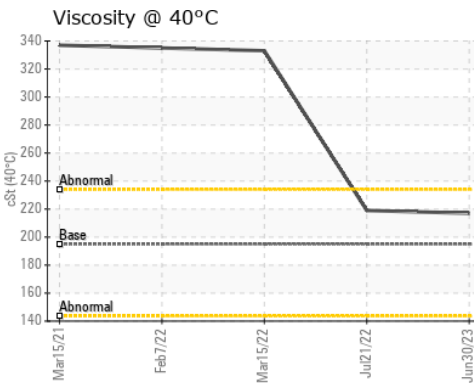
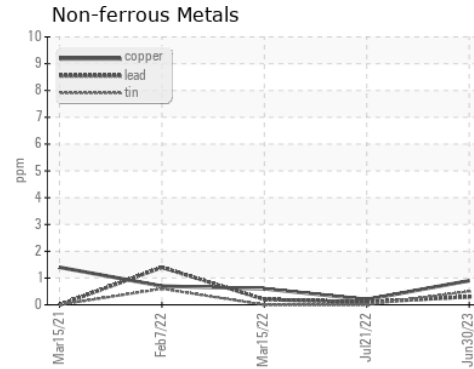
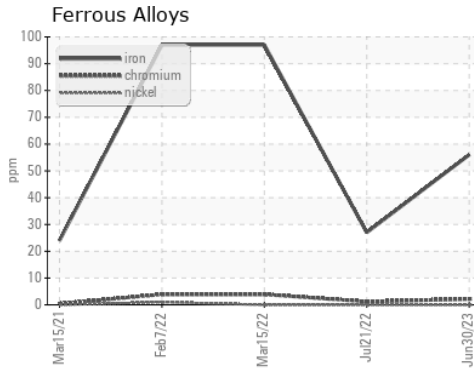


FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	195	<b>217</b>	219	▲ 333

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.** : WC0808023      **Received** : 14 Jul 2023  
**Lab Number** : 05898947      **Diagnosed** : 17 Jul 2023  
**Unique Number** : 10560303      **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:  
 F:

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)