

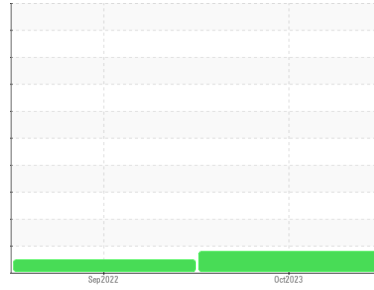


# PROBLEM SUMMARY



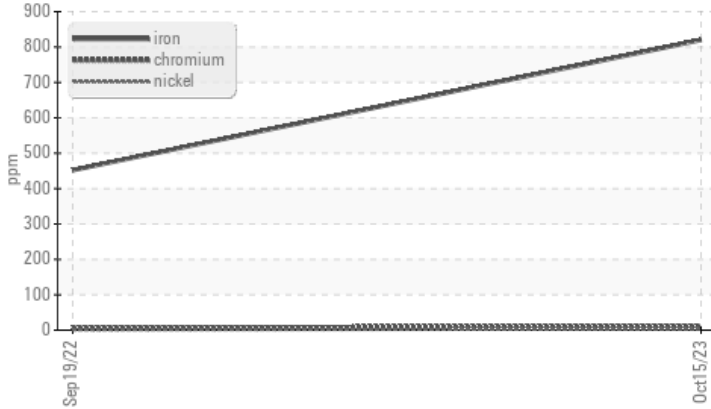
Area  
**KANSAS/44**  
 Machine Id  
**53.163L [KANSAS^44]**  
 Component  
**Left Final Drive**  
 Fluid  
**MOBIL MOBILTRANS HD 50 (0 GAL)**

Sample Rating Trend



## COMPONENT CONDITION SUMMARY

### ▲ Ferrous Alloys



## RECOMMENDATION

No corrective action is recommended at this time.  
 Resample at the next service interval to monitor.

## PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	NORMAL	---
Iron	ppm	ASTM D5185m	>800	▲ 820	452	---

Customer Id: SHEWIC  
 Sample No.: WC0862532  
 Lab Number: 05994759  
 Test Package: CONST



To manage this report scan the QR code

To discuss the diagnosis or test data:  
 Don Baldrige +1  
[don.b505@comcast.net](mailto:don.b505@comcast.net)

To change component or sample information:  
 Customer Service +1 1-800-237-1369  
[customerservice@wearcheck.com](mailto:customerservice@wearcheck.com)

## RECOMMENDED ACTIONS

*There are no recommended actions for this sample.*

## HISTORICAL DIAGNOSIS

### 19 Sep 2022 Diag: Doug Bogart

NORMAL



The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

view report





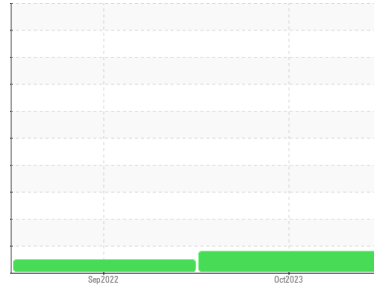
# OIL ANALYSIS REPORT

Sample Rating Trend

**WEAR**



Area  
**KANSAS/44**  
Machine Id  
**53.163L [KANSAS^44]**  
Component  
**Left Final Drive**  
Fluid  
**MOBIL MOBILTRANS HD 50 (0 GAL)**



## DIAGNOSIS

### ▲ Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

### ▲ Wear

Gear wear is indicated. All other metal levels are typical for a new component breaking in.

### Contamination

There is no indication of any contamination in the oil.

### Fluid Condition

Confirm oil type. 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>WC0862532</b>	WC0673552	---
Sample Date	Client Info		<b>15 Oct 2023</b>	19 Sep 2022	---
Machine Age	hrs	Client Info	<b>1441</b>	388	---
Oil Age	hrs	Client Info	<b>1441</b>	388	---
Oil Changed	Client Info		<b>Not Chngd</b>	Changed	---
Sample Status			<b>ABNORMAL</b>	NORMAL	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >800	<b>▲ 820</b>	452	---
Chromium	ppm	ASTM D5185m >10	<b>11</b>	7	---
Nickel	ppm	ASTM D5185m >5	<b>3</b>	<1	---
Titanium	ppm	ASTM D5185m >15	<b>&lt;1</b>	<1	---
Silver	ppm	ASTM D5185m >2	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m >75	<b>10</b>	7	---
Lead	ppm	ASTM D5185m >10	<b>1</b>	<1	---
Copper	ppm	ASTM D5185m >75	<b>68</b>	44	---
Tin	ppm	ASTM D5185m >8	<b>&lt;1</b>	<1	---
Vanadium	ppm	ASTM D5185m	<b>&lt;1</b>	0	---
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>59</b>	150	---
Barium	ppm	ASTM D5185m	<b>2</b>	13	---
Molybdenum	ppm	ASTM D5185m	<b>0</b>	<1	---
Manganese	ppm	ASTM D5185m	<b>7</b>	7	---
Magnesium	ppm	ASTM D5185m	<b>18</b>	0	---
Calcium	ppm	ASTM D5185m	<b>14</b>	33	---
Phosphorus	ppm	ASTM D5185m	<b>1319</b>	1229	---
Zinc	ppm	ASTM D5185m	<b>38</b>	100	---
Sulfur	ppm	ASTM D5185m	<b>18641</b>	25435	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >400	<b>27</b>	9	---
Sodium	ppm	ASTM D5185m	<b>8</b>	20	---
Potassium	ppm	ASTM D5185m >20	<b>5</b>	7	---

## VISUAL

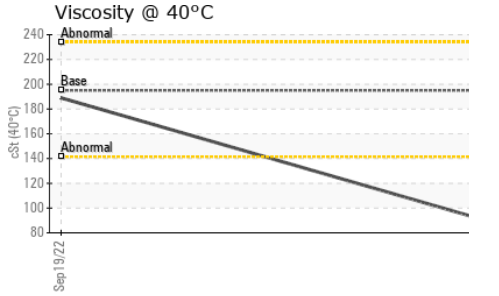
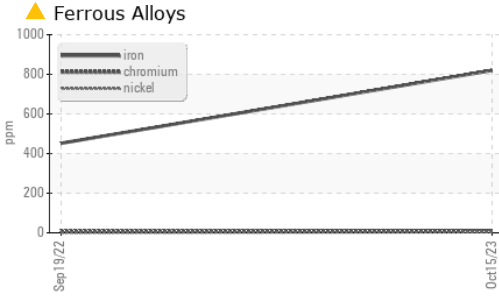
	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual NONE	<b>NONE</b>	MODER	---
Precipitate	scalar	*Visual NONE	<b>NONE</b>	NONE	---
Silt	scalar	*Visual NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	*Visual NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual >0.2	<b>NEG</b>	NEG	---
Free Water	scalar	*Visual	<b>NEG</b>	NEG	---

## FLUID PROPERTIES

	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 195	<b>88.5</b>	189	---

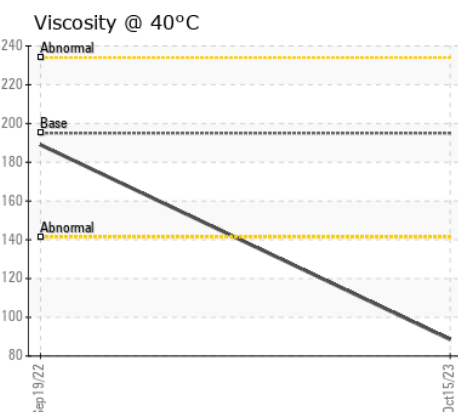
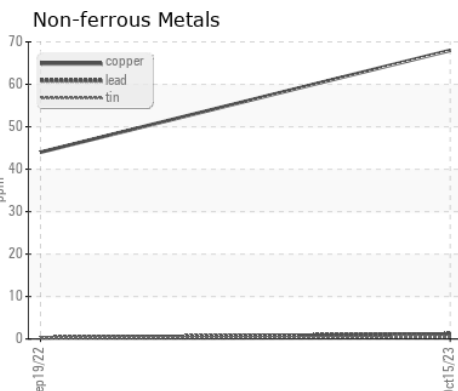
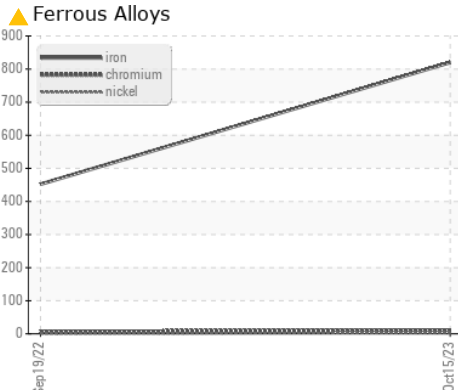


# OIL ANALYSIS REPORT



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

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0862532      **Received** : 31 Oct 2023  
**Lab Number** : 05994759      **Diagnosed** : 01 Nov 2023  
**Unique Number** : 10723119      **Diagnostician** : Don Baldrige  
**Test Package** : CONST

**SHERWOOD CONSTRUCTION CO INC**  
 3219 WEST MAY ST  
 WICHITA, KS  
 US 67213  
 Contact: RANDY ROBERTS  
 randy.roberts@sherwood.net  
 T: (316)943-6491  
 F: x:

Certificate L2367  
 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)