



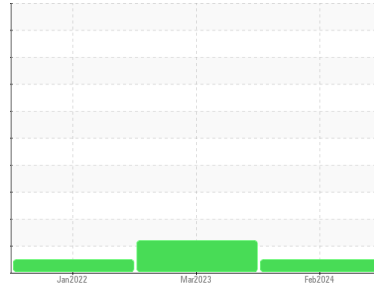
# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**KANSAS/44**  
Machine Id  
**53.162L [KANSAS^44]**  
Component  
**Right Chain Case**  
Fluid  
**MOBIL MOBILTRANS HD 50 (3 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>WC0821592</b>	WC0673491	WC0630430
Sample Date	Client Info		<b>12 Feb 2024</b>	28 Mar 2023	14 Jan 2022
Machine Age	hrs	Client Info	<b>1398</b>	960	5
Oil Age	hrs	Client Info	<b>1398</b>	960	0
Oil Changed	Client Info		<b>Not Chngd</b>	Not Chngd	Not Chngd
Sample Status			<b>NORMAL</b>	ABNORMAL	NORMAL

## CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.2	<b>NEG</b>	NEG	NEG

## WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>632	<b>323</b>	160	9
Chromium	ppm	ASTM D5185m	>3	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>3	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>19	<b>1</b>	2	2
Lead	ppm	ASTM D5185m	>6	<b>&lt;1</b>	0	0
Copper	ppm	ASTM D5185m	>46	<b>&lt;1</b>	<1	0
Tin	ppm	ASTM D5185m	>3	<b>&lt;1</b>	0	0
Antimony	ppm	ASTM D5185m	>5	<b>---</b>	---	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m		<b>15</b>	66	59
Barium	ppm	ASTM D5185m		<b>0</b>	26	41
Molybdenum	ppm	ASTM D5185m		<b>1</b>	38	33
Manganese	ppm	ASTM D5185m		<b>3</b>	2	<1
Magnesium	ppm	ASTM D5185m		<b>18</b>	503	442
Calcium	ppm	ASTM D5185m		<b>2871</b>	1646	1433
Phosphorus	ppm	ASTM D5185m		<b>1021</b>	904	808
Zinc	ppm	ASTM D5185m		<b>1240</b>	1163	969
Sulfur	ppm	ASTM D5185m		<b>6792</b>	3405	2309

## CONTAMINANTS

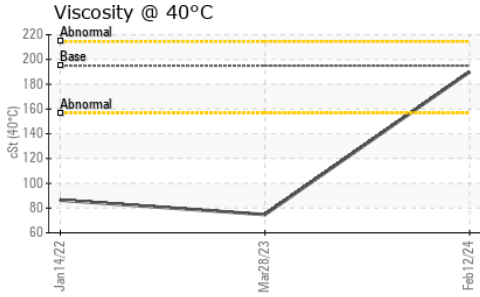
	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>82	<b>19</b>	44	12
Sodium	ppm	ASTM D5185m		<b>2</b>	2	<1
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	4	1

## VISUAL

	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	<b>NONE</b>	▲ HEAVY	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>MODER</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



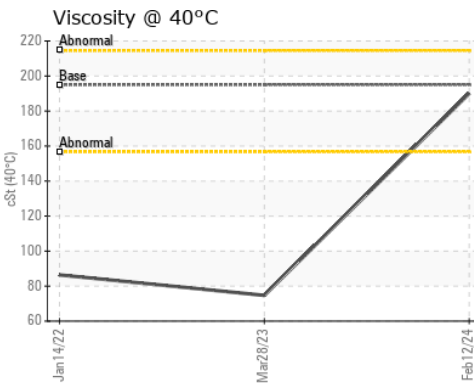
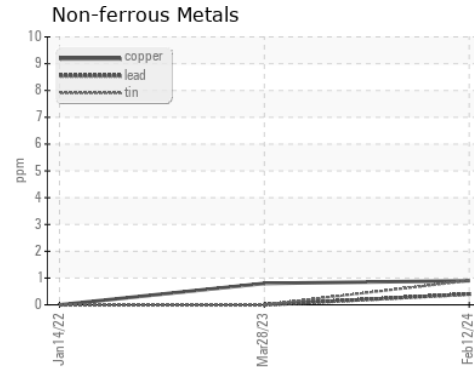
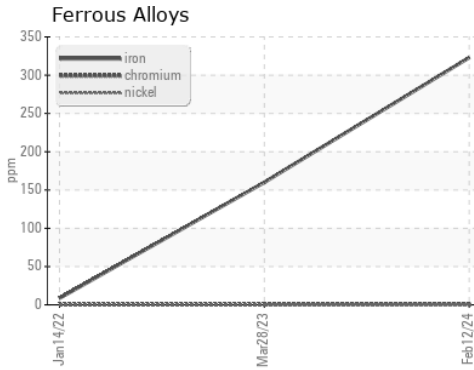
# OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	195	<b>190</b>	74.7	86.4

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.** : WC0821592  
**Lab Number** : 06097299  
**Unique Number** : 10890152  
**Test Package** : CONST

**Received** : 22 Feb 2024  
**Tested** : 23 Feb 2024  
**Diagnosed** : 23 Feb 2024 - Wes Davis

**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:

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)