

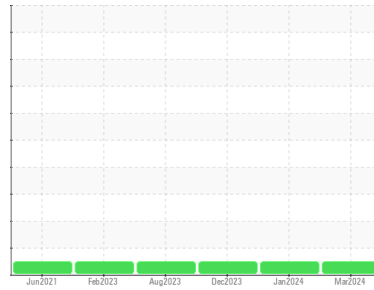


# OIL ANALYSIS REPORT



Area  
**KANSAS/44**  
 Machine Id  
**20.307L [KANSAS^44]**  
 Component  
**Right Final Drive**  
 Fluid  
**MOBIL MOBILTRANS HD 50 (1 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>WC0918125</b>	WC0862576	WC0862602
Sample Date	Client Info		<b>28 Mar 2024</b>	19 Jan 2024	05 Dec 2023
Machine Age	hrs	Client Info	<b>1539</b>	1819	1797
Oil Age	hrs	Client Info	<b>0</b>	22	861
Oil Changed	Client Info		<b>Not Chngd</b>	N/A	Changed
Sample Status			<b>NORMAL</b>	NORMAL	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	>800	<b>68</b>	85	150
Chromium	ppm	ASTM D5185m	>10	<b>2</b>	1	2
Nickel	ppm	ASTM D5185m	>5	<b>&lt;1</b>	<1	0
Titanium	ppm	ASTM D5185m	>15	<b>&lt;1</b>	<1	0
Silver	ppm	ASTM D5185m	>2	<b>&lt;1</b>	0	<1
Aluminum	ppm	ASTM D5185m	>75	<b>3</b>	1	<1
Lead	ppm	ASTM D5185m	>10	<b>1</b>	<1	0
Copper	ppm	ASTM D5185m	>75	<b>1</b>	<1	0
Tin	ppm	ASTM D5185m	>8	<b>1</b>	1	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Cadmium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0

### ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m		<b>6</b>	13	2
Barium	ppm	ASTM D5185m		<b>0</b>	1	6
Molybdenum	ppm	ASTM D5185m		<b>1</b>	<1	0
Manganese	ppm	ASTM D5185m		<b>1</b>	<1	<1
Magnesium	ppm	ASTM D5185m		<b>12</b>	17	15
Calcium	ppm	ASTM D5185m		<b>3135</b>	3053	3054
Phosphorus	ppm	ASTM D5185m		<b>1087</b>	1121	1028
Zinc	ppm	ASTM D5185m		<b>1270</b>	1270	1278
Sulfur	ppm	ASTM D5185m		<b>7125</b>	7165	7145

### CONTAMINANTS

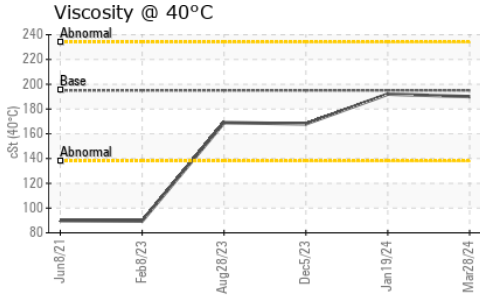
	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>400	<b>12</b>	8	11
Sodium	ppm	ASTM D5185m		<b>&lt;1</b>	2	1
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	1	0

### 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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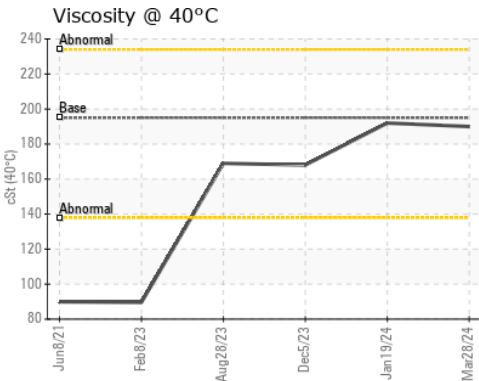
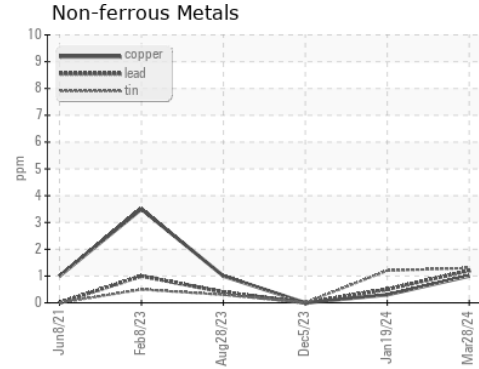
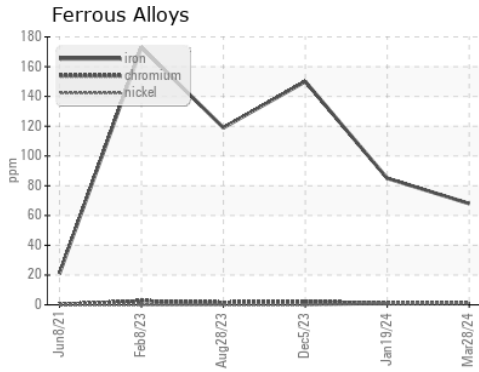
### FLUID PROPERTIES

method	limit/base	current	history1	history2	
Visc @ 40°C	cSt ASTM D445	195	<b>190</b>	192	168

### SAMPLE IMAGES

method	limit/base	current	history1	history2
Color		<i>no image</i>	<i>no image</i>	<i>no image</i>
Bottom		<i>no image</i>	<i>no image</i>	<i>no image</i>

### GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0918125  
**Lab Number** : 06138918  
**Unique Number** : 10963726  
**Test Package** : CONST

**Received** : 04 Apr 2024  
**Tested** : 05 Apr 2024  
**Diagnosed** : 05 Apr 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)