

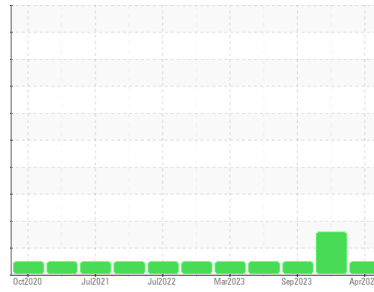


# OIL ANALYSIS REPORT



Area  
**OKLAHOMA/102/EG - DOZER**  
 Machine Id  
**35.104L [OKLAHOMA^102^EG - DOZER]**  
 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. ( Customer Sample Comment: 6103 hrs )

### 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>WC0864435</b>	WC0864363	WC0819859
Sample Date	Client Info		<b>09 Apr 2024</b>	28 Feb 2024	13 Sep 2023
Machine Age	hrs	Client Info	<b>6103</b>	5872	5162
Oil Age	hrs	Client Info	<b>5959</b>	5872	5162
Oil Changed	Client Info		<b>N/A</b>	N/A	N/A
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 >800	<b>107</b>	▲ 592	34
Chromium	ppm	ASTM D5185m >10	<b>3</b>	▲ 12	2
Nickel	ppm	ASTM D5185m >5	<b>0</b>	2	0
Titanium	ppm	ASTM D5185m >15	<b>&lt;1</b>	5	<1
Silver	ppm	ASTM D5185m >2	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >75	<b>11</b>	53	6
Lead	ppm	ASTM D5185m >10	<b>0</b>	<1	0
Copper	ppm	ASTM D5185m >75	<b>0</b>	2	0
Tin	ppm	ASTM D5185m >8	<b>&lt;1</b>	0	0
Vanadium	ppm	ASTM D5185m	<b>0</b>	<1	0
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>6</b>	33	17
Barium	ppm	ASTM D5185m	<b>0</b>	2	0
Molybdenum	ppm	ASTM D5185m	<b>2</b>	4	<1
Manganese	ppm	ASTM D5185m	<b>2</b>	9	1
Magnesium	ppm	ASTM D5185m	<b>37</b>	38	33
Calcium	ppm	ASTM D5185m	<b>2962</b>	2781	2720
Phosphorus	ppm	ASTM D5185m	<b>1049</b>	1090	929
Zinc	ppm	ASTM D5185m	<b>1224</b>	1126	1139
Sulfur	ppm	ASTM D5185m	<b>9164</b>	12122	10651

## CONTAMINANTS

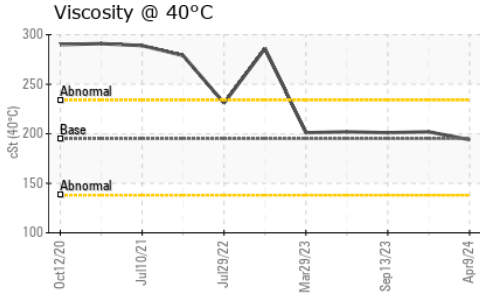
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >400	<b>78</b>	364	15
Sodium	ppm	ASTM D5185m	<b>3</b>	4	2
Potassium	ppm	ASTM D5185m >20	<b>2</b>	15	0

## 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>	LIGHT	NONE
Debris	scalar	*Visual NONE	<b>LIGHT</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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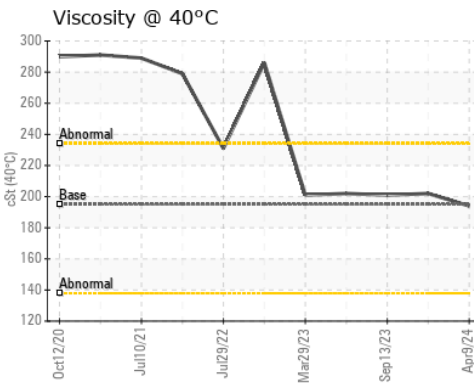
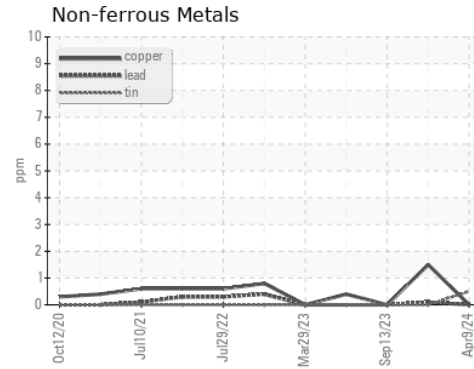
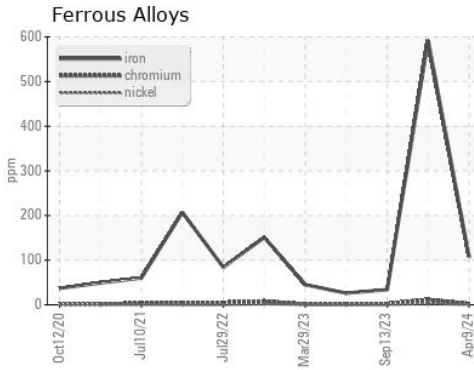


FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	195	<b>194</b>	202	201

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.** : WC0864435  
**Lab Number** : **06156364**  
**Unique Number** : 10991787  
**Test Package** : CONST

**Received** : 22 Apr 2024  
**Tested** : 23 Apr 2024  
**Diagnosed** : 24 Apr 2024 - Sean Felton

**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)