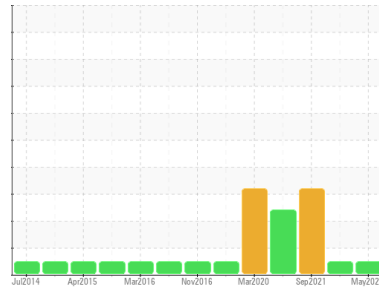




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area  
**OKLAHOMA/102/EG - DOZER**  
 Machine Id  
**36.18L [OKLAHOMA^102^EG - DOZER]**  
 Component  
**Right Final Drive**  
 Fluid  
**MOBIL DELVAC 1350 (4 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>WC0908915</b>	WC0713302	WC0622945
Sample Date	Client Info		<b>28 May 2024</b>	25 Jul 2022	16 Sep 2021
Machine Age	hrs	Client Info	<b>14330</b>	36181	11663
Oil Age	hrs	Client Info	<b>1000</b>	1046	1000
Oil Changed	Client Info		<b>Changed</b>	Changed	Changed
Sample Status			<b>NORMAL</b>	NORMAL	ABNORMAL

## 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>76</b>	176	▲ 546
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	2	5
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	<1	1
Titanium	ppm	ASTM D5185m	>15	<b>&lt;1</b>	2	4
Silver	ppm	ASTM D5185m	>2	<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185m	>75	<b>2</b>	13	● 49
Lead	ppm	ASTM D5185m	>10	<b>0</b>	<1	0
Copper	ppm	ASTM D5185m	>75	<b>&lt;1</b>	<1	1
Tin	ppm	ASTM D5185m	>8	<b>&lt;1</b>	<1	0
Antimony	ppm	ASTM D5185m	>50	<b>---</b>	---	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	<1
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m		<b>11</b>	14	32
Barium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>4</b>	4	3
Manganese	ppm	ASTM D5185m		<b>1</b>	2	5
Magnesium	ppm	ASTM D5185m		<b>33</b>	33	27
Calcium	ppm	ASTM D5185m		<b>3157</b>	3036	2949
Phosphorus	ppm	ASTM D5185m		<b>1136</b>	1013	972
Zinc	ppm	ASTM D5185m		<b>1298</b>	1262	1116
Sulfur	ppm	ASTM D5185m		<b>9347</b>	12822	8317

## CONTAMINANTS

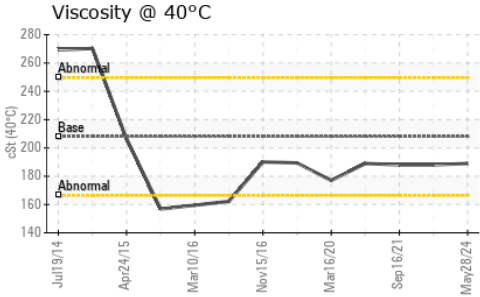
	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>400	<b>24</b>	65	▲ 215
Sodium	ppm	ASTM D5185m		<b>1</b>	2	6
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	2	9

## VISUAL

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



# OIL ANALYSIS REPORT

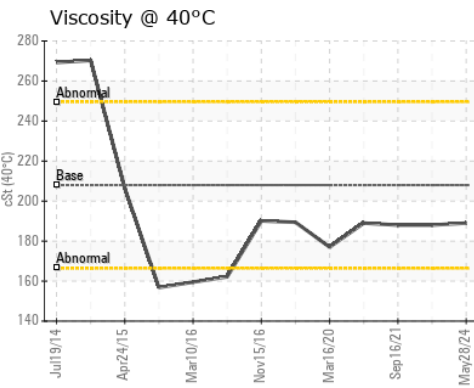
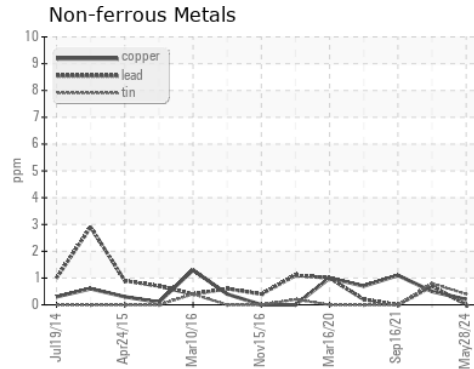
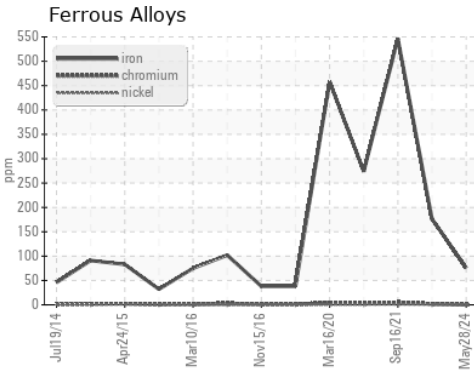


FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	208	<b>189</b>	188	188

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



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0908915      **Received** : 05 Jun 2024  
**Lab Number** : **06200644**      **Tested** : 06 Jun 2024  
**Unique Number** : 11062767      **Diagnosed** : 06 Jun 2024 - Wes Davis  
**Test Package** : CONST

**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)