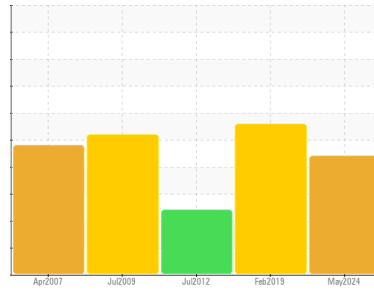




# OIL ANALYSIS REPORT

Area  
**OKLAHOMA/102/EG - SCRAPER**  
 Machine Id  
**76.31L [OKLAHOMA^102^EG - SCRAPER]**  
 Component  
**Gear Drive**  
 Fluid  
**MOBIL MOBILUBE HD PLUS 85W140 (--- GAL)**

Sample Rating Trend



**WATER**



## DIAGNOSIS

### ▲ Recommendation

We advise that you check for the source of water entry. Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### ▲ Contamination

There is a moderate concentration of water present in the oil.

### ● Fluid Condition

The oil viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0918089</b>	WC0316299	WC33495055
Sample Date	Client Info		<b>30 May 2024</b>	05 Feb 2019	18 Jul 2012
Machine Age	hrs	Client Info	<b>15147</b>	13063	9506
Oil Age	hrs	Client Info	<b>15147</b>	500	---
Oil Changed	Client Info		<b>Not Chngd</b>	Not Chngd	Not Chngd
Sample Status			<b>ABNORMAL</b>	ABNORMAL	ABNORMAL

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >500	<b>273</b>	▲ 379	7
Chromium	ppm	ASTM D5185m >5	<b>3</b>	2	2
Nickel	ppm	ASTM D5185m >8	<b>&lt;1</b>	<1	0
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	2	0
Silver	ppm	ASTM D5185m	<b>0</b>	3	0
Aluminum	ppm	ASTM D5185m >20	<b>6</b>	● 34	6
Lead	ppm	ASTM D5185m >20	<b>&lt;1</b>	<1	0
Copper	ppm	ASTM D5185m >500	<b>2</b>	<1	5
Tin	ppm	ASTM D5185m >75	<b>&lt;1</b>	0	0
Antimony	ppm	ASTM D5185m >5	<b>---</b>	<1	---
Vanadium	ppm	ASTM D5185m	<b>0</b>	<1	0
Cadmium	ppm	ASTM D5185m	<b>&lt;1</b>	<1	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	● <b>15</b>	223	● 51
Barium	ppm	ASTM D5185m	<b>0</b>	1	0
Molybdenum	ppm	ASTM D5185m	<b>3</b>	0	● 32
Manganese	ppm	ASTM D5185m	<b>3</b>	4	---
Magnesium	ppm	ASTM D5185m	<b>29</b>	6	● 544
Calcium	ppm	ASTM D5185m	● <b>2889</b>	22	● 1341
Phosphorus	ppm	ASTM D5185m	<b>1074</b>	1200	857
Zinc	ppm	ASTM D5185m	● <b>1347</b>	24	● 919
Sulfur	ppm	ASTM D5185m	● <b>10181</b>	26249	---

## CONTAMINANTS

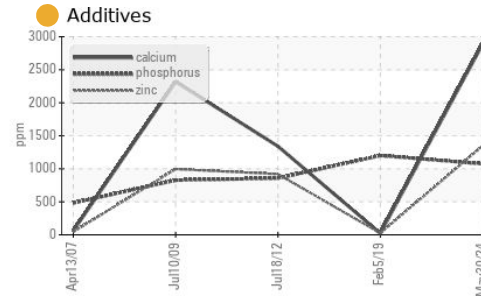
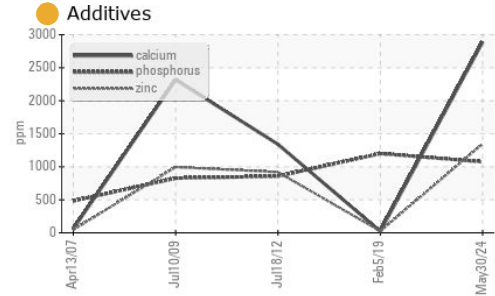
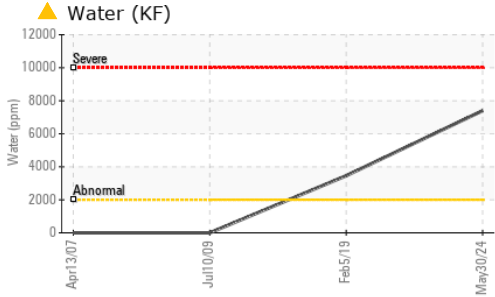
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >35	<b>32</b>	▲ 172	11
Sodium	ppm	ASTM D5185m	<b>13</b>	4	4
Potassium	ppm	ASTM D5185m >20	<b>2</b>	12	1
Water	%	ASTM D6304 >0.2	▲ <b>0.740</b>	▲ 0.346	---
ppm Water	ppm	ASTM D6304 >2000	▲ <b>7400</b>	▲ 3460	---

## VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual NONE	<b>NONE</b>	NONE	---
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>HAZY</b>	● MILKY	---
Odor	scalar	*Visual NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual >0.2	<b>0.2%</b>	0.2%	---
Free Water	scalar	*Visual	<b>NEG</b>	NEG	---



# OIL ANALYSIS REPORT



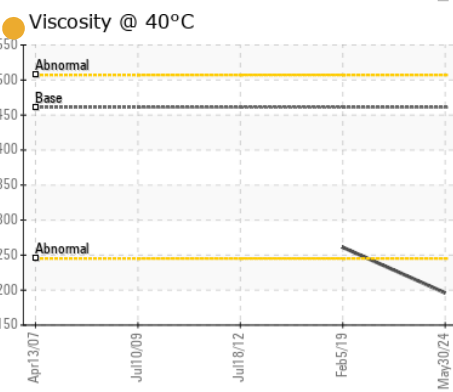
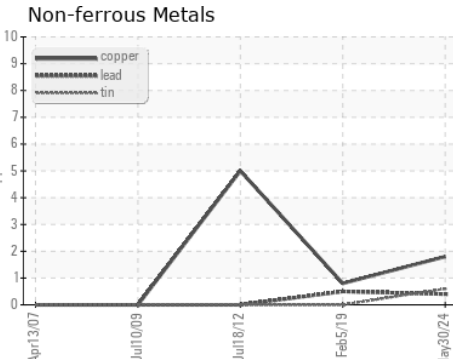
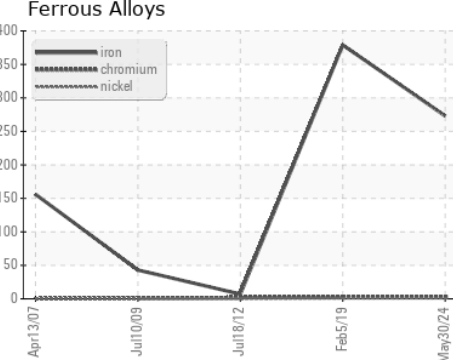
**FLUID PROPERTIES**

method: cSt, limit/base: ASTM D445 461, current: ● 196, history1: 261.1, history2: ---

**SAMPLE IMAGES**

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

**GRAPHS**



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0918089      **Received** : 13 Jun 2024  
**Lab Number** : 06209030      **Tested** : 17 Jun 2024  
**Unique Number** : 11076491      **Diagnosed** : 17 Jun 2024 - Sean Felton  
**Test Package** : CONST ( Additional Tests: KF )

**SHERWOOD CONSTRUCTION CO INC**  
 3219 WEST MAY ST  
 WICHITA, KS 67213  
 Contact: JIMMY DERAMUS  
 jimmy.deramus@sherwood.net  
 T: (918)691-3306  
 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)