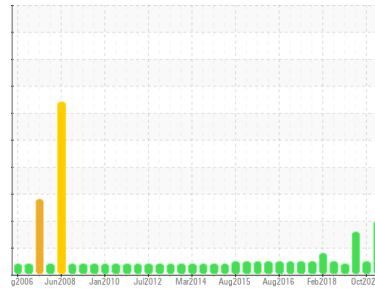




# OIL ANALYSIS REPORT

Area  
**OKLAHOMA/102/EG - SCRAPER**  
 Machine Id  
**76.31L [OKLAHOMA^102^EG - SCRAPER]**  
 Component  
**Hydraulic System**  
 Fluid  
**MOBIL DELVAC 1300 SUPER15W40 (--- GAL)**

Sample Rating Trend



**WATER**



## DIAGNOSIS

### Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample. ( Customer Sample Comment: 14581 hrs )

### Wear

All component wear rates are normal.

### Contamination

There is a light concentration of water present in the oil. Moderate concentration of visible dirt/debris present in the oil.

### Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0746778</b>	WC0665308	WC0697716
Sample Date	Client Info		<b>29 Mar 2023</b>	03 Oct 2022	04 Aug 2022
Machine Age	hrs	Client Info	<b>14581</b>	14299	14249
Oil Age	hrs	Client Info	<b>14299</b>	14124	175
Oil Changed	Client Info		<b>N/A</b>	Changed	Not Changd
Sample Status			<b>ABNORMAL</b>	NORMAL	ABNORMAL

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >20	<b>9</b>	6	7
Chromium	ppm	ASTM D5185m >10	<b>&lt;1</b>	0	<1
Nickel	ppm	ASTM D5185m >10	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m	<b>&lt;1</b>	0	<1
Aluminum	ppm	ASTM D5185m >10	<b>6</b>	4	5
Lead	ppm	ASTM D5185m >10	<b>&lt;1</b>	<1	1
Copper	ppm	ASTM D5185m >75	<b>19</b>	15	12
Tin	ppm	ASTM D5185m >10	<b>0</b>	0	<1
Antimony	ppm	ASTM D5185m	<b>---</b>	---	---
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 0	<b>38</b>	40	57
Barium	ppm	ASTM D5185m 0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m 0	<b>18</b>	20	21
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m 0	<b>241</b>	249	275
Calcium	ppm	ASTM D5185m	<b>1513</b>	2180	2210
Phosphorus	ppm	ASTM D5185m	<b>931</b>	961	923
Zinc	ppm	ASTM D5185m	<b>1125</b>	1139	1088
Sulfur	ppm	ASTM D5185m	<b>5363</b>	5389	4501

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >20	<b>12</b>	10	10
Sodium	ppm	ASTM D5185m	<b>4</b>	<1	1
Potassium	ppm	ASTM D5185m >20	<b>2</b>	3	3
Water	%	ASTM D6304 >0.1	<b>▲ 0.323</b>	---	▲ 0.567
ppm Water	ppm	ASTM D6304 >1000	<b>▲ 3230</b>	---	▲ 5670

## FLUID CLEANLINESS

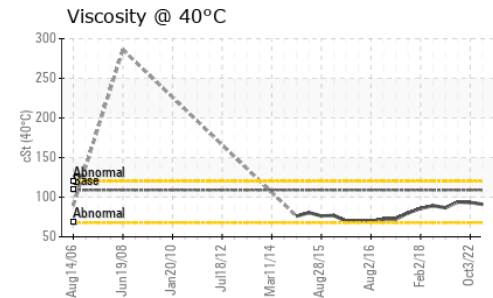
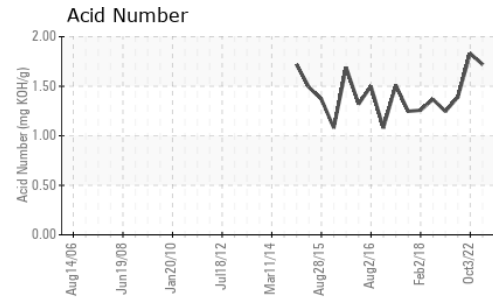
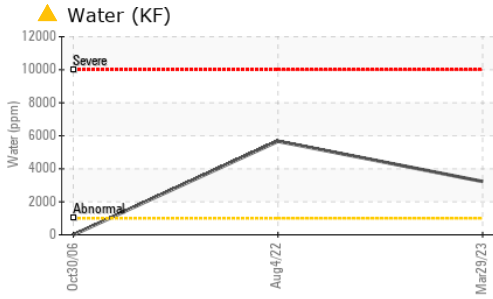
	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647		<b>---</b>	34209	16227
Particles >6µm	ASTM D7647	>2500	<b>---</b>	2341	731
Particles >14µm	ASTM D7647	>640	<b>---</b>	122	33
Particles >21µm	ASTM D7647	>160	<b>---</b>	27	6
Particles >38µm	ASTM D7647	>40	<b>---</b>	3	1
Particles >71µm	ASTM D7647	>10	<b>---</b>	1	1
Oil Cleanliness	ISO 4406 (c)	>--/18/16	<b>---</b>	22/18/14	21/17/12

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	<b>1.72</b>	1.83	1.39



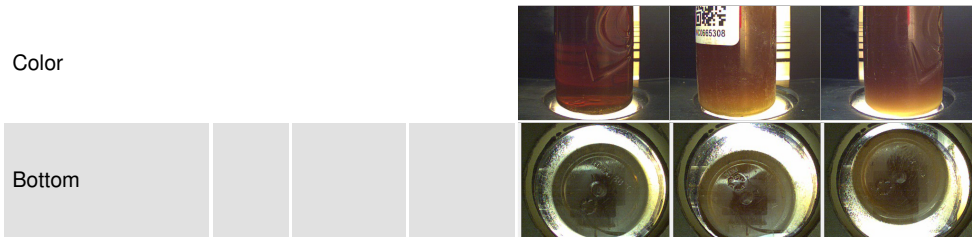
# OIL ANALYSIS REPORT



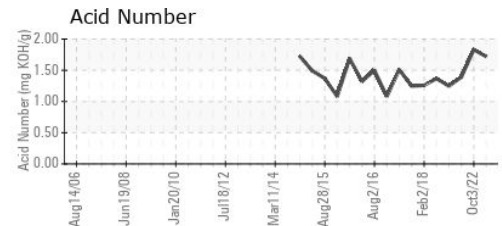
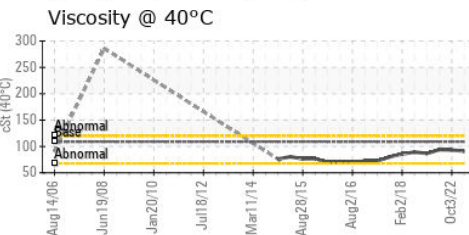
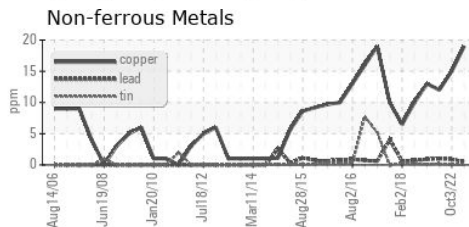
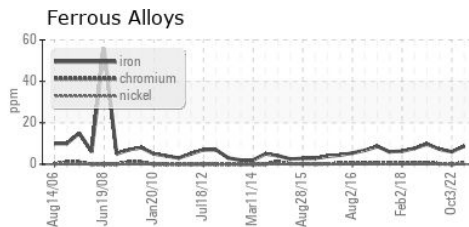
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	HAZY
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	0.2%	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	109	91.0	93.3

SAMPLE IMAGES	method	limit/base	current	history1	history2
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## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0746778      **Received** : 04 Apr 2023  
**Lab Number** : 05810903      **Tested** : 07 Apr 2023  
**Unique Number** : 10413695      **Diagnosed** : 07 Apr 2023 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: KF )

**SHERWOOD CONSTRUCTION CO INC**  
 3219 WEST MAY ST  
 WICHITA, KS  
 US 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)