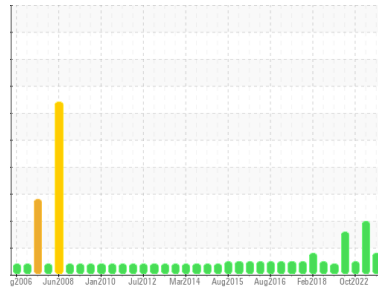




# OIL ANALYSIS REPORT

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



ISO



## DIAGNOSIS

### Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

There is a moderate amount of silt (particulates < 14 microns in size) 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>WC0918090</b>	WC0746778	WC0665308
Sample Date	Client Info		<b>30 May 2024</b>	29 Mar 2023	03 Oct 2022
Machine Age	hrs	Client Info	<b>15147</b>	14581	14299
Oil Age	hrs	Client Info	<b>848</b>	14299	14124
Oil Changed	Client Info		<b>Not Chngd</b>	N/A	Changed
Sample Status			<b>ATTENTION</b>	ABNORMAL	NORMAL

## CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	<b>NEG</b>	NEG	NEG

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >20	<b>10</b>	9	6
Chromium	ppm	ASTM D5185m >10	<b>&lt;1</b>	<1	0
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>0</b>	<1	0
Aluminum	ppm	ASTM D5185m >10	<b>5</b>	6	4
Lead	ppm	ASTM D5185m >10	<b>1</b>	<1	<1
Copper	ppm	ASTM D5185m >75	<b>42</b>	19	15
Tin	ppm	ASTM D5185m >10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m	<b>&lt;1</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>25</b>	38	40
Barium	ppm	ASTM D5185m 0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m 0	<b>9</b>	18	20
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m 0	<b>151</b>	241	249
Calcium	ppm	ASTM D5185m	<b>1181</b>	1513	2180
Phosphorus	ppm	ASTM D5185m	<b>977</b>	931	961
Zinc	ppm	ASTM D5185m	<b>1128</b>	1125	1139
Sulfur	ppm	ASTM D5185m	<b>5178</b>	5363	5389

## CONTAMINANTS

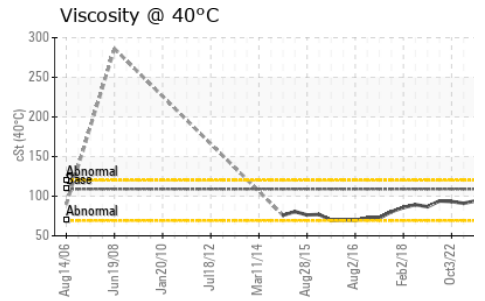
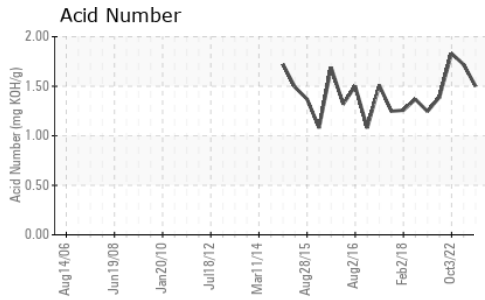
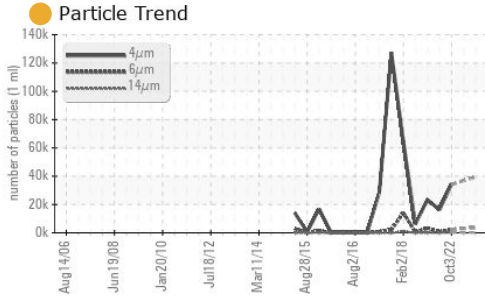
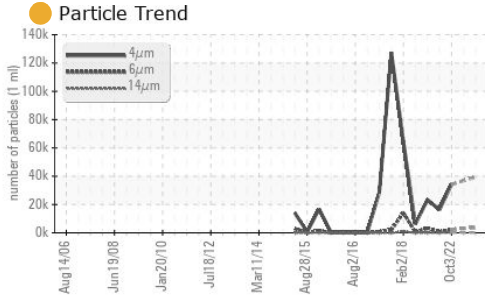
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >20	<b>12</b>	12	10
Sodium	ppm	ASTM D5185m	<b>4</b>	4	<1
Potassium	ppm	ASTM D5185m >20	<b>1</b>	2	3

## FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647		<b>39463</b>	---	34209
Particles >6µm	ASTM D7647	>2500	<b>3623</b>	---	2341
Particles >14µm	ASTM D7647	>640	<b>22</b>	---	122
Particles >21µm	ASTM D7647	>160	<b>4</b>	---	27
Particles >38µm	ASTM D7647	>40	<b>1</b>	---	3
Particles >71µm	ASTM D7647	>10	<b>0</b>	---	1
Oil Cleanliness	ISO 4406 (c)	>--/18/16	<b>22/19/12</b>	---	22/18/14

## FLUID DEGRADATION

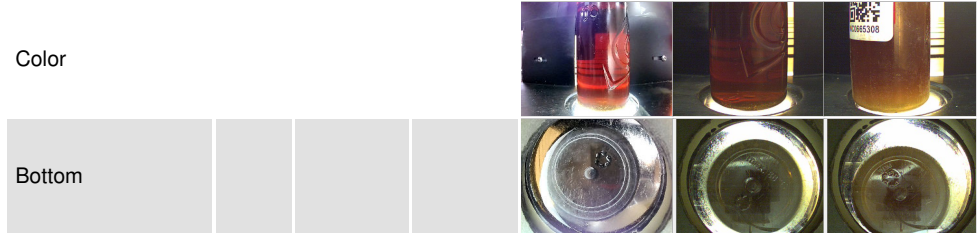
	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	<b>1.50</b>	1.72	1.83



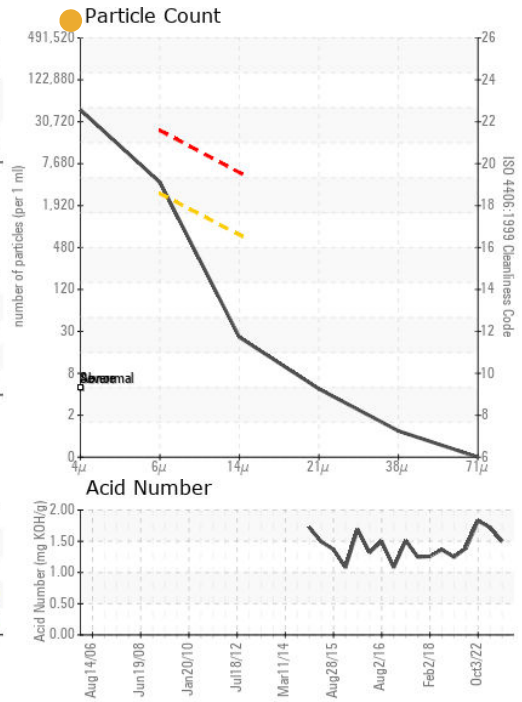
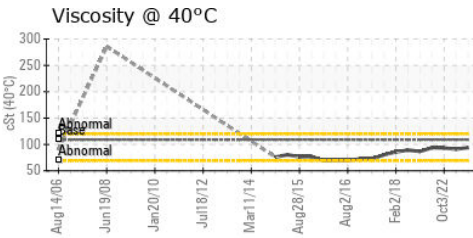
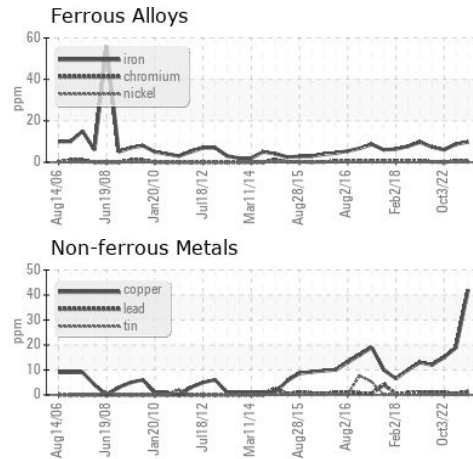
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	▲ MODER	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	109	94.1	91.0

SAMPLE IMAGES	method	limit/base	current	history1	history2
---------------	--------	------------	---------	----------	----------



## GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
 Sample No. : WC0918090  
 Lab Number : 06208662  
 Unique Number : 11076123  
 Test Package : CONST

Received : 13 Jun 2024  
 Tested : 14 Jun 2024  
 Diagnosed : 15 Jun 2024 - Don Baldrige

**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)