



# OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>ABNORMAL</b>
FLUID CONDITION	<b>NORMAL</b>



Area  
**OKLAHOMA/102/EG - ROLLER/COMPACTOR**  
Machine Id  
**64.24L [OKLAHOMA^102^EG - ROLLER/COMPACTOR]**  
Component  
**Hydraulic System**  
Fluid  
**MOBIL DELVAC 1300 SUPER15W40 (--- GAL)**

## RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor. ( Customer Sample Comment: 4505 hours )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0864344</b>	WC0807978	WC0800824
Sample Date		Client Info		<b>14 May 2024</b>	26 Jul 2023	16 Mar 2023
Machine Age	hrs	Client Info		<b>4505</b>	4016	3878
Oil Age	hrs	Client Info		<b>280</b>	2188	500
Filter Age	hrs	Client Info		<b>0</b>	2188	500
Oil Changed		Client Info		<b>N/A</b>	Changed	Not Changed
Filter Changed		Client Info		<b>N/A</b>	Changed	Changed
Sample Status				<b>ABNORMAL</b>	NORMAL	ATTENTION

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>20	<b>4</b>	6	6
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	<1	0
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>10	<b>2</b>	2	2
Lead	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>75	<b>1</b>	2	2
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	VLITE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

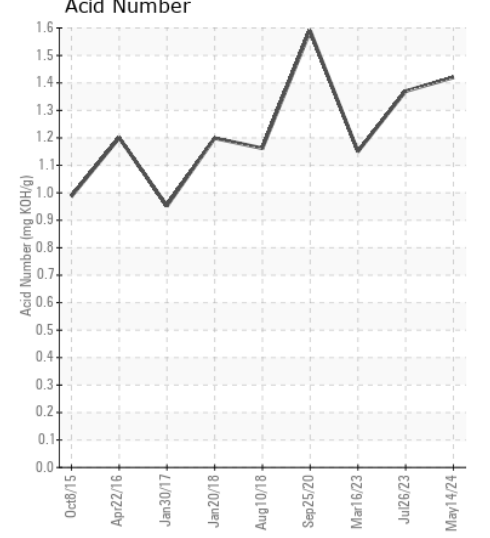
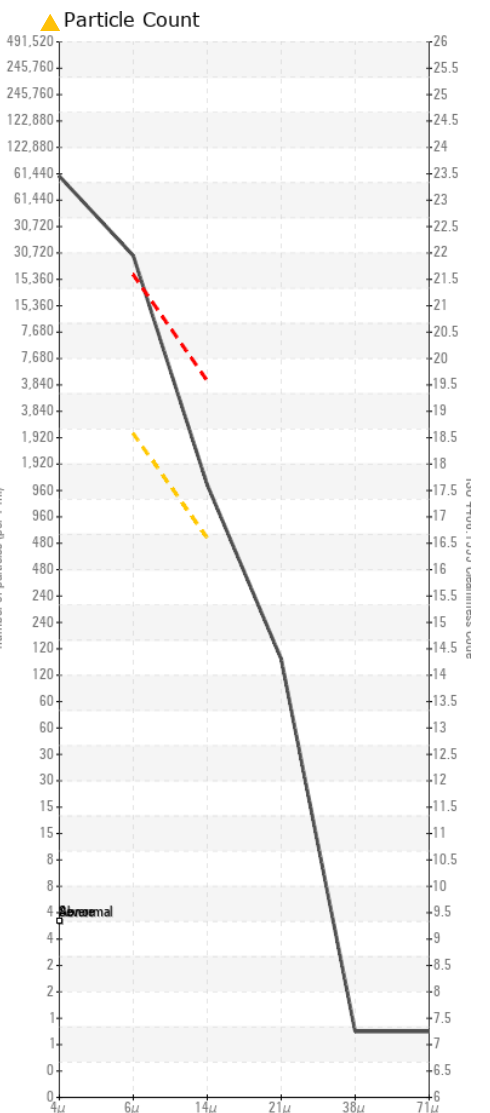
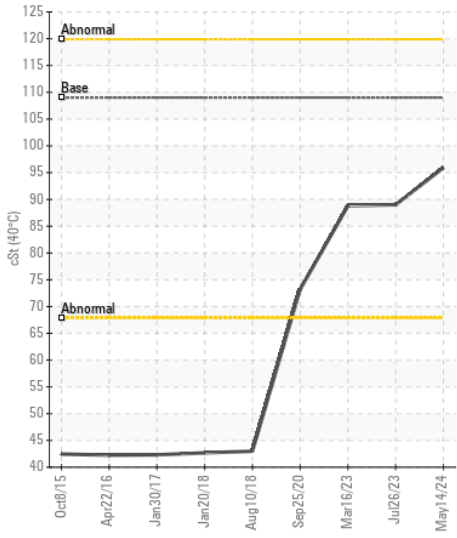
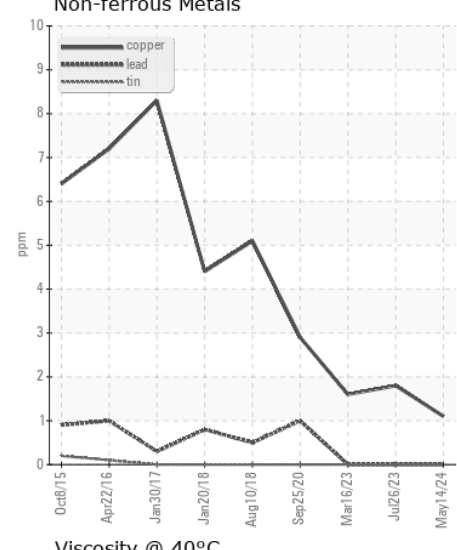
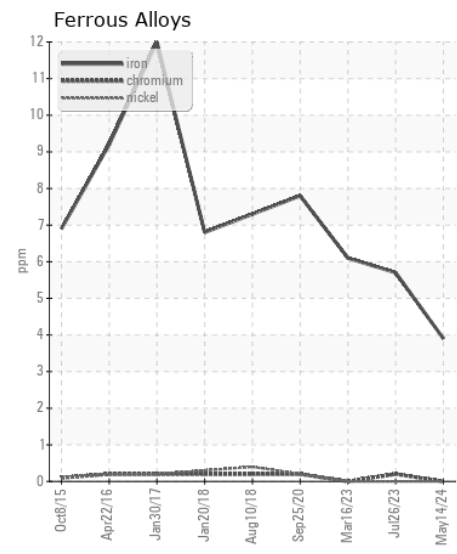
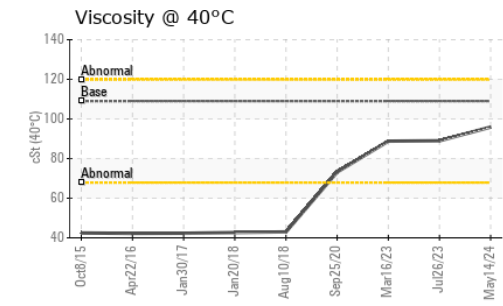
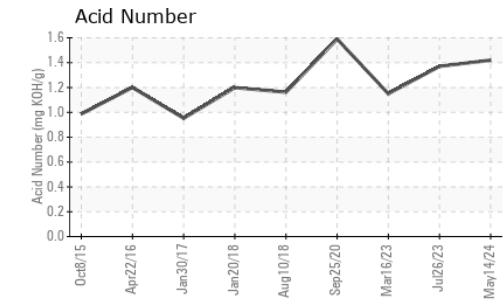
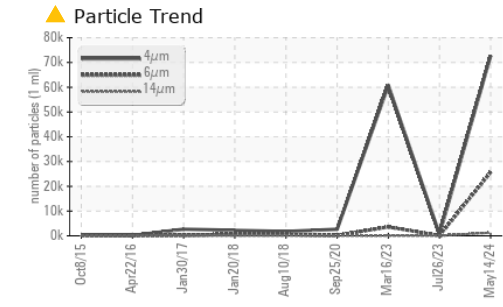
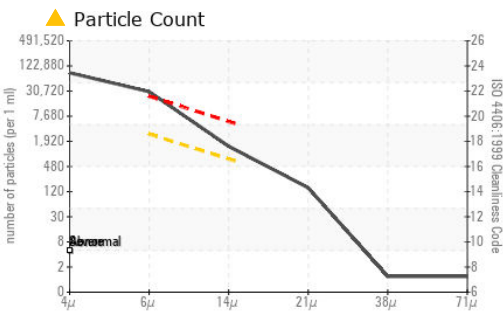
There is a high amount of silt (particulates < 14 microns in size) present in the oil.

Silicon	ppm	ASTM D5185m	>20	<b>6</b>	7	8
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	<1	0
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Particles >4µm		ASTM D7647		<b>72702</b>	644	60794
Particles >6µm		ASTM D7647	>2500	<b>▲ 25679</b>	95	● 3602
Particles >14µm		ASTM D7647	>640	<b>▲ 1281</b>	7	32
Particles >21µm		ASTM D7647	>160	<b>131</b>	1	4
Particles >38µm		ASTM D7647	>40	<b>1</b>	0	0
Particles >71µm		ASTM D7647	>10	<b>1</b>	0	0
Oil Cleanliness		ISO 4406 (c)	>-/18/16	<b>▲ 23/22/17</b>	17/14/10	● 23/19/12
Silt	scalar	*Visual	NONE	<b>LIGHT</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	>0.1	<b>NEG</b>	NEG	NEG

## FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>2</b>	3	3
Boron	ppm	ASTM D5185m	0	<b>37</b>	29	31
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>&lt;1</b>	<1	<1
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m	0	<b>3</b>	25	20
Calcium	ppm	ASTM D5185m		<b>2959</b>	2966	3010
Phosphorus	ppm	ASTM D5185m		<b>1004</b>	987	937
Zinc	ppm	ASTM D5185m		<b>1222</b>	1257	1244
Sulfur	ppm	ASTM D5185m		<b>5325</b>	5497	4921
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>1.42</b>	1.37	1.15
Visc @ 40°C	cSt	ASTM D445	109	<b>95.9</b>	89.0	88.8



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0864344  
**Lab Number** : 06187571  
**Unique Number** : 11044323  
**Test Package** : CONST  
**Received** : 22 May 2024  
**Tested** : 23 May 2024  
**Diagnosed** : 24 May 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:

Certificate L2367  
 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)