



# OIL ANALYSIS REPORT

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

Area  
**OKLAHOMA/102/EG - OTHER SERVICE**  
Machine Id  
**54.101L [OKLAHOMA^102^EG - OTHER SERVICE]**  
Component  
**Hydraulic System**  
Fluid  
**MOBIL MOBILFLUID 424 (--- GAL)**

## RECOMMENDATION

We advise that you check for the source of water entry. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. There is too much water present in this sample to perform a particle count.

## WEAR

All component wear rates are normal.

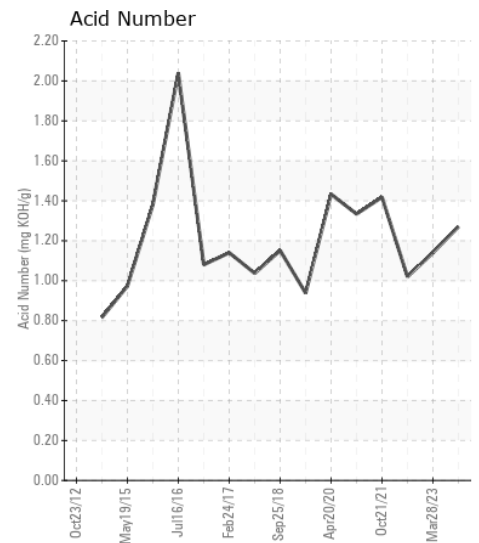
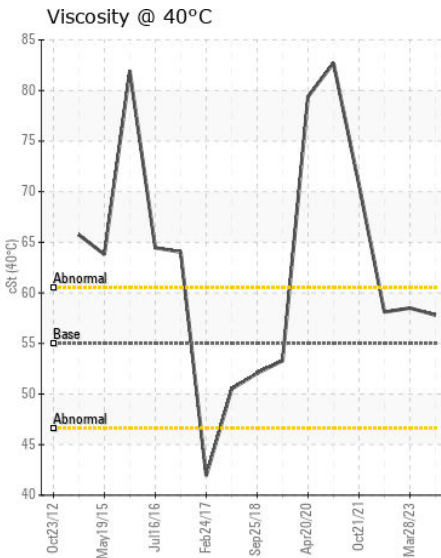
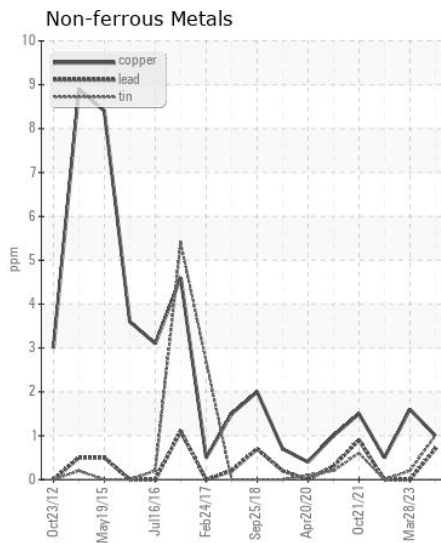
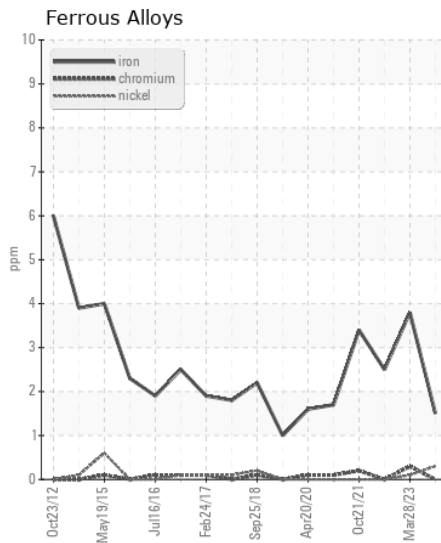
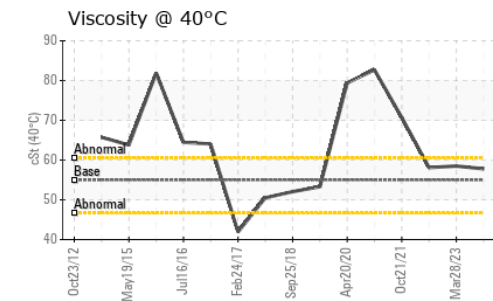
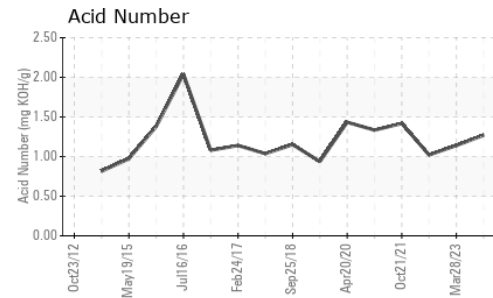
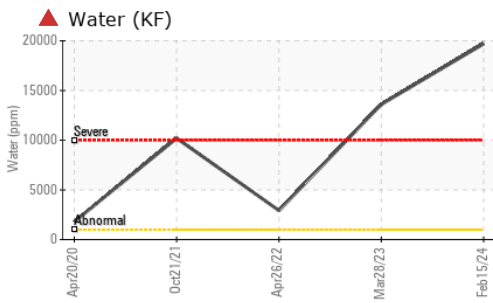
## CONTAMINATION

Appearance is milky. There is a high concentration of water present in the oil.

## FLUID CONDITION

The AN level is acceptable for this fluid.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0873995</b>	WC0800820	WC0686820
Sample Date		Client Info		<b>15 Feb 2024</b>	28 Mar 2023	26 Apr 2022
Machine Age	hrs	Client Info		<b>575</b>	2032	407
Oil Age	hrs	Client Info		<b>575</b>	1957	407
Filter Age	hrs	Client Info		<b>575</b>	0	407
Oil Changed		Client Info		<b>Changed</b>	Changed	N/A
Filter Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>SEVERE</b>	SEVERE	ABNORMAL
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Iron	ppm	ASTM D5185m	>20	<b>2</b>	4	2
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	<1	0
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m	>10	<b>2</b>	<1	1
Lead	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
Copper	ppm	ASTM D5185m	>75	<b>1</b>	2	<1
Tin	ppm	ASTM D5185m	>10	<b>1</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
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Silicon	ppm	ASTM D5185m	>20	<b>13</b>	14	9
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	2	2
Water	%	ASTM D6304	>0.1	<b>▲ 1.97</b>	▲ 1.36	▲ 0.292
ppm Water	ppm	ASTM D6304	>1000	<b>▲ 19700</b>	▲ 13600	▲ 2920
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	▲ MODER	▲ LIGHT
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>● MILKY</b>	● MILKY	● MILKY
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	<b>▲ 0.2%</b>	▲ 0.2%	0.2%
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Sodium	ppm	ASTM D5185m		<b>4</b>	8	5
Boron	ppm	ASTM D5185m		<b>92</b>	109	111
Barium	ppm	ASTM D5185m		<b>0</b>	<1	0
Molybdenum	ppm	ASTM D5185m		<b>0</b>	1	1
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m		<b>29</b>	24	24
Calcium	ppm	ASTM D5185m		<b>3057</b>	3198	3443
Phosphorus	ppm	ASTM D5185m		<b>1139</b>	1106	1172
Zinc	ppm	ASTM D5185m		<b>1422</b>	1360	1428
Sulfur	ppm	ASTM D5185m		<b>4535</b>	4570	3930
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>1.27</b>	1.14	1.02
Visc @ 40°C	cSt	ASTM D445	55	<b>57.8</b>	58.5	58.1



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0873995 **Received** : 28 Feb 2024  
**Lab Number** : 06102895 **Tested** : 01 Mar 2024  
**Unique Number** : 10901125 **Diagnosed** : 01 Mar 2024 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: KF, PQ )

**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)