



# OIL ANALYSIS REPORT

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

Area

**[W7768]**

Machine Id

**JOHN DEERE 844L 1DW844LXKMF709447**

Component

**Transmission (Manual)**

Fluid

**TDTO FLUID SAE 10W (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor. ( Customer Sample Comment: W7768 )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0183402</b>	JR0175328	JR0163622
Sample Date		Client Info		<b>26 Aug 2023</b>	16 Jun 2023	07 Mar 2023
Machine Age	hrs	Client Info		<b>5676</b>	5084	4535
Oil Age	hrs	Client Info		<b>4659</b>	5084	4535
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changed</b>	Not Changed	Not Changed
Filter Changed		Client Info		<b>Not Changed</b>	Not Changed	Not Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

PQ		ASTM D8184	>95	<b>26</b>	20	18
Iron	ppm	ASTM D5185m	>200	<b>93</b>	68	54
Chromium	ppm	ASTM D5185m	>5	<b>&lt;1</b>	<1	0
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	0
Silver	ppm	ASTM D5185m	>7	<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185m	>25	<b>2</b>	<1	2
Lead	ppm	ASTM D5185m	>45	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>225	<b>8</b>	7	7
Tin	ppm	ASTM D5185m	>10	<b>0</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

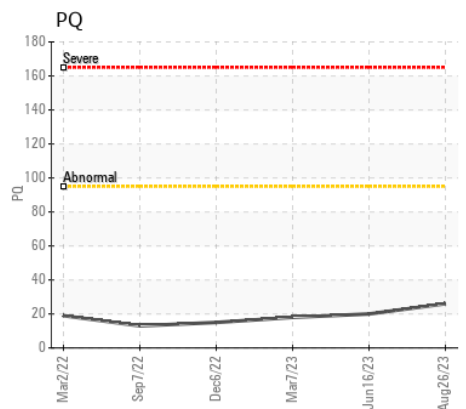
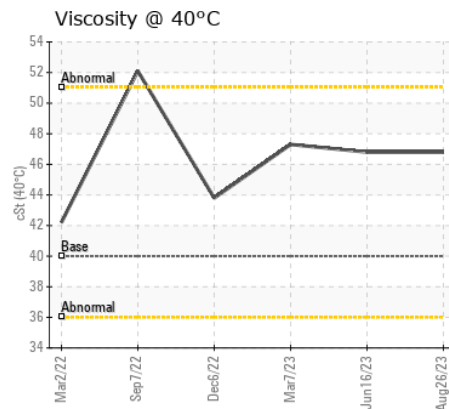
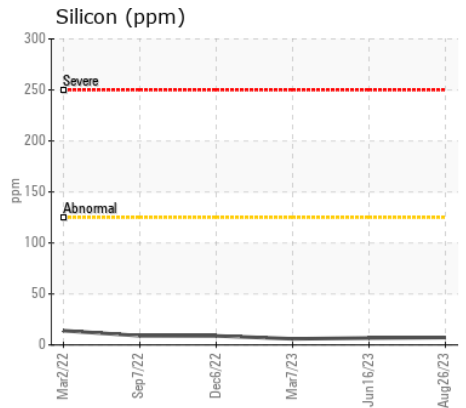
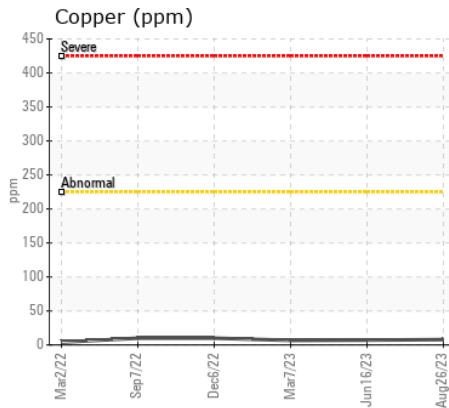
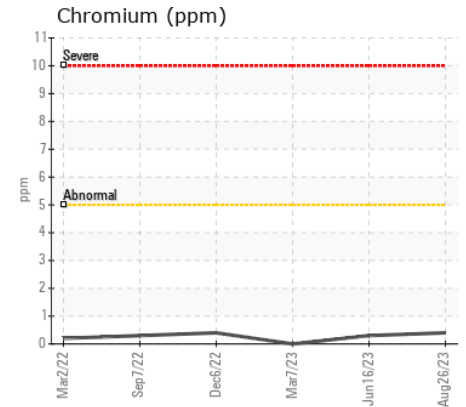
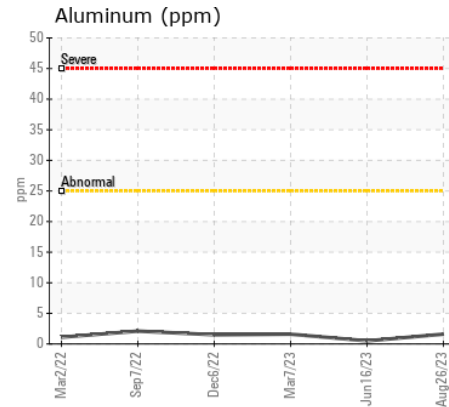
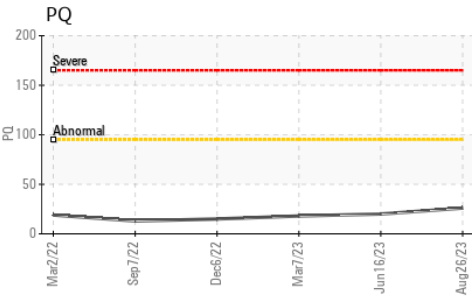
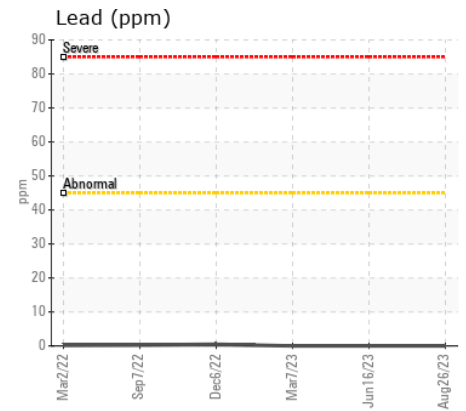
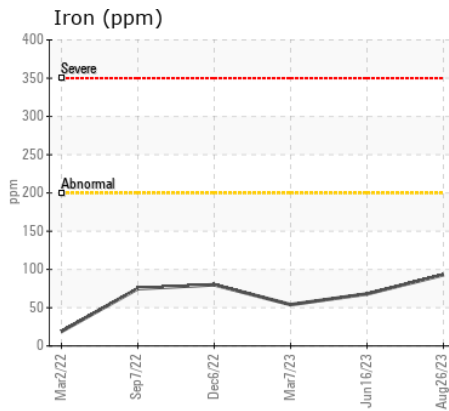
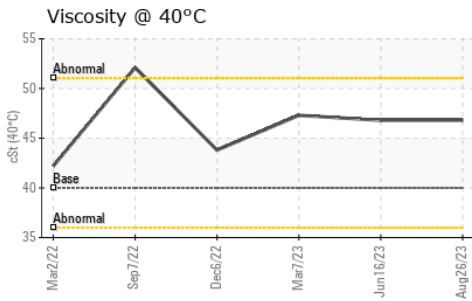
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>125	<b>7</b>	7	6
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	0	2
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</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 condition of the fluid is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		<b>4</b>	8	4
Boron	ppm	ASTM D5185m	37	<b>&lt;1</b>	0	1
Barium	ppm	ASTM D5185m	7	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	5	<b>&lt;1</b>	<1	<1
Manganese	ppm	ASTM D5185m		<b>1</b>	1	<1
Magnesium	ppm	ASTM D5185m	40	<b>78</b>	93	81
Calcium	ppm	ASTM D5185m	2650	<b>2950</b>	3264	3185
Phosphorus	ppm	ASTM D5185m	1050	<b>949</b>	1000	996
Zinc	ppm	ASTM D5185m	1075	<b>1081</b>	1207	1132
Sulfur	ppm	ASTM D5185m	5750	<b>3254</b>	4111	3376
Visc @ 40°C	cSt	ASTM D445	40	<b>46.8</b>	46.8	47.3



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0183402 **Received** : 31 Aug 2023  
**Lab Number** : 05939858 **Tested** : 01 Sep 2023  
**Unique Number** : 10630470 **Diagnosed** : 05 Sep 2023 - Don Baldrige  
**Test Package** : MOBCE ( Additional Tests: PQ )

**WAKE STONE CORP**  
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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)