



# OIL ANALYSIS REPORT

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

Area

**[A35885]**

Machine Id

**JOHN DEERE 744L 1DW744LXHNL715286**

Component

**Transmission (Manual)**

Fluid

**JOHN DEERE HY-GARD HYD/TRANS (12 GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor. ( Customer Sample Comment: A35885 )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WE0007598</b>	WE0004876	---
Sample Date		Client Info		<b>16 Jul 2024</b>	28 Aug 2023	---
Machine Age	hrs	Client Info		<b>2507</b>	1041	---
Oil Age	hrs	Client Info		<b>500</b>	1041	---
Filter Age	hrs	Client Info		<b>500</b>	1041	---
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	---
Filter Changed		Client Info		<b>None</b>	Not Changd	---
Sample Status				<b>NORMAL</b>	NORMAL	---

## WEAR

All component wear rates are normal.

PQ		ASTM D8184	>95	<b>17</b>	14	---
Iron	ppm	ASTM D5185m	>200	<b>25</b>	13	---
Chromium	ppm	ASTM D5185m	>5	<b>0</b>	0	---
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m		<b>0</b>	0	---
Silver	ppm	ASTM D5185m	>7	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>25	<b>1</b>	3	---
Lead	ppm	ASTM D5185m	>45	<b>0</b>	<1	---
Copper	ppm	ASTM D5185m	>225	<b>16</b>	14	---
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

## CONTAMINATION

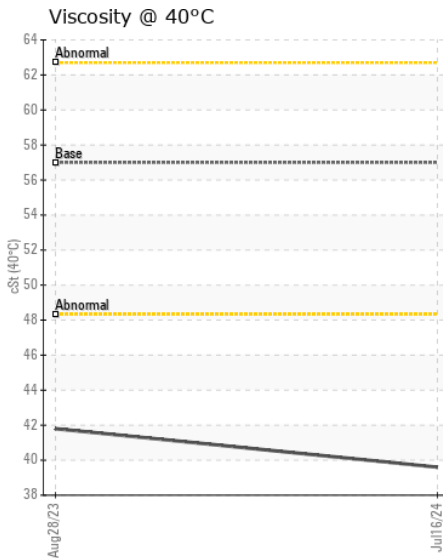
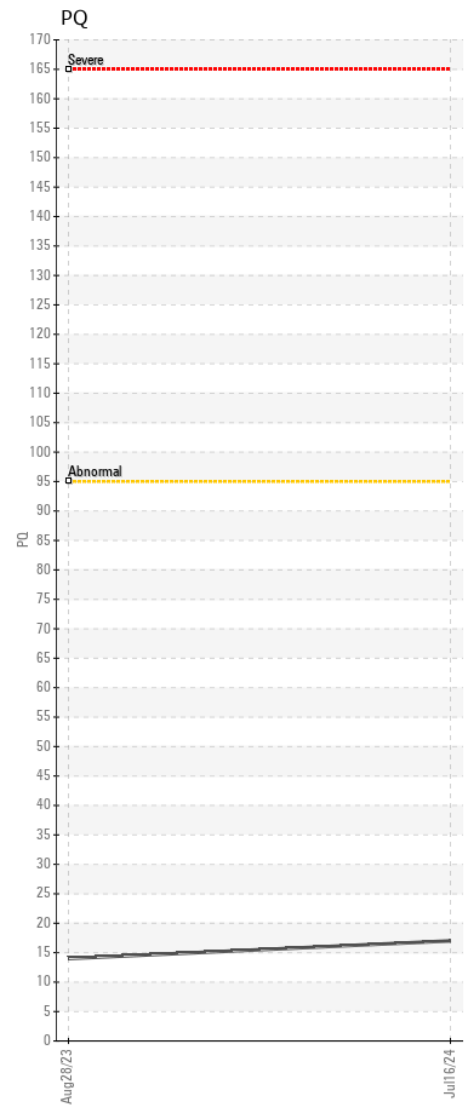
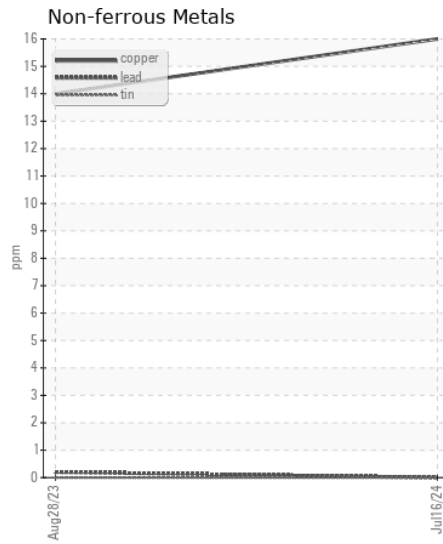
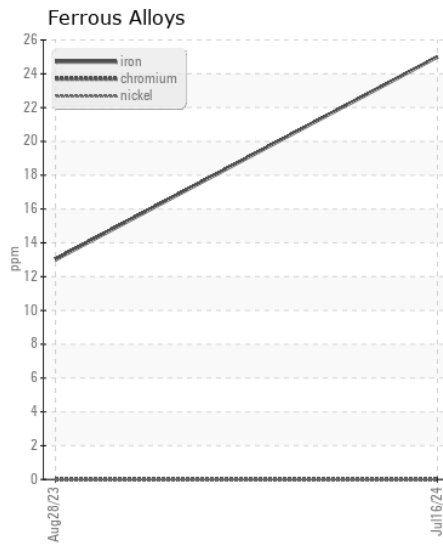
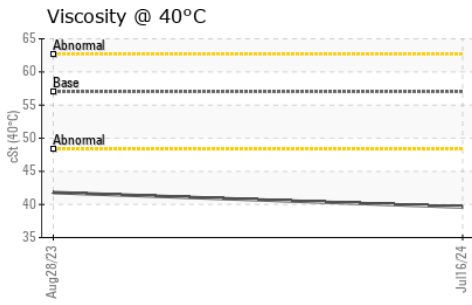
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>125	<b>17</b>	15	---
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	3	---
Water		WC Method	>0.1	<b>NEG</b>	NEG	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	NEG	---

## FLUID CONDITION

The condition of the fluid is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		<b>30</b>	29	---
Boron	ppm	ASTM D5185m	6	<b>0</b>	1	---
Barium	ppm	ASTM D5185m	0	<b>1</b>	0	---
Molybdenum	ppm	ASTM D5185m	0	<b>&lt;1</b>	<1	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185m	145	<b>79</b>	82	---
Calcium	ppm	ASTM D5185m	3570	<b>3165</b>	3153	---
Phosphorus	ppm	ASTM D5185m	1290	<b>946</b>	907	---
Zinc	ppm	ASTM D5185m	1640	<b>1112</b>	1267	---
Sulfur	ppm	ASTM D5185m		<b>3646</b>	3985	---
Visc @ 40°C	cSt	ASTM D445	57.0	<b>39.6</b>	41.8	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513

**Sample No.** : WE0007598

**Lab Number** : 06240543

**Unique Number** : 11129377

**Test Package** : CONST ( Additional Tests: PQ )

**Received** : 18 Jul 2024

**Tested** : 20 Jul 2024

**Diagnosed** : 20 Jul 2024 - Don Baldrige

**WARRIOR TRACTOR AND EQUIPMENT - HUNTSVILLE**

25135 ONE AVIATION WAY SW

MADISON, AL

US 35756

Contact: HERBERT STONE

WTE013@WARRIORTRACTOR.COM

T:

F:

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)