



# OIL ANALYSIS REPORT

WEAR  
CONTAMINATION  
FLUID CONDITION

**ATTENTION**  
**SEVERE**  
**NORMAL**

Area

[G14834]

Machine Id

JOHN DEERE 750L 437285

Component

Right Final Drive

Fluid

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

## RECOMMENDATION

We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.

## WEAR

All component wear rates are normal.

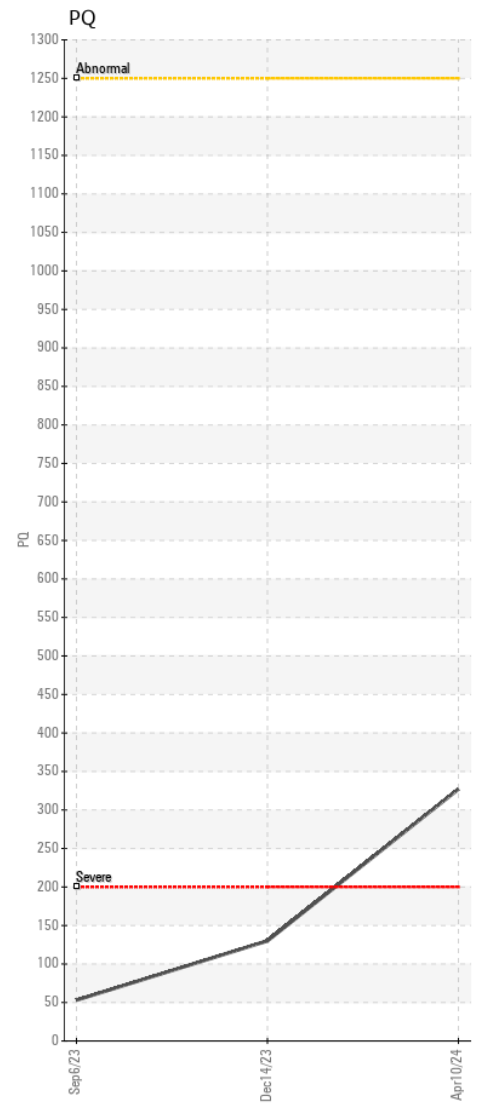
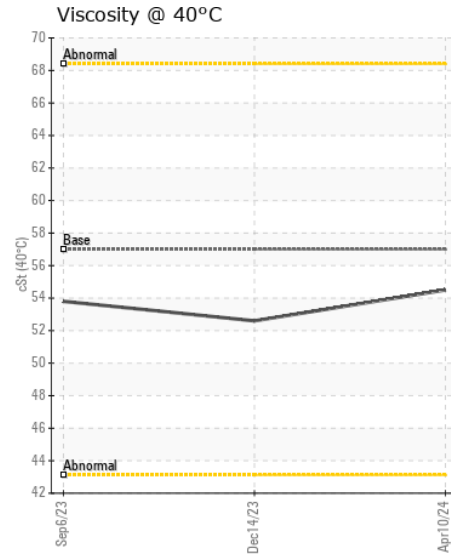
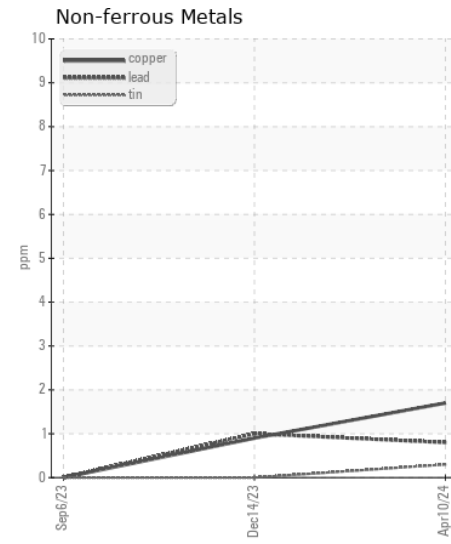
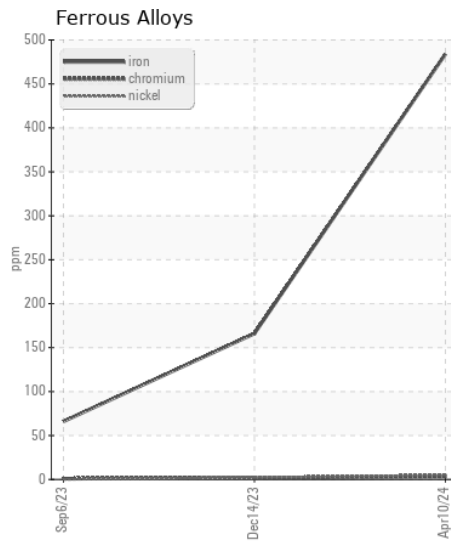
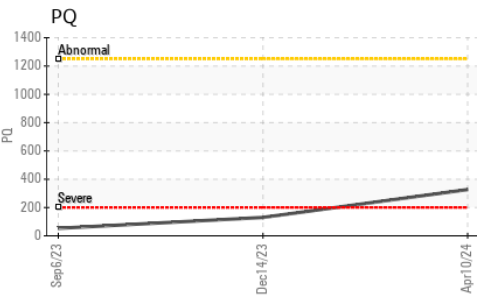
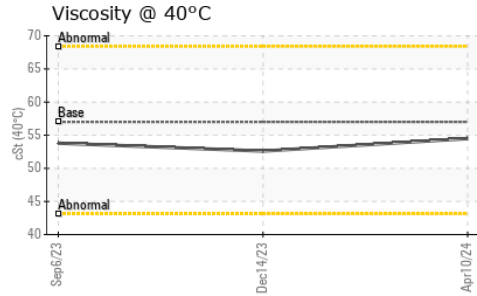
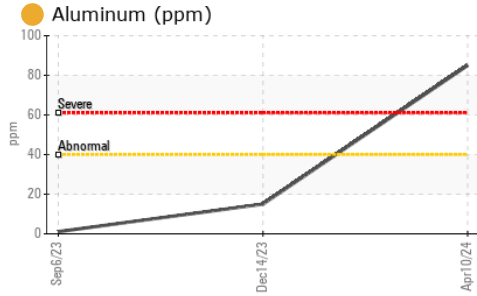
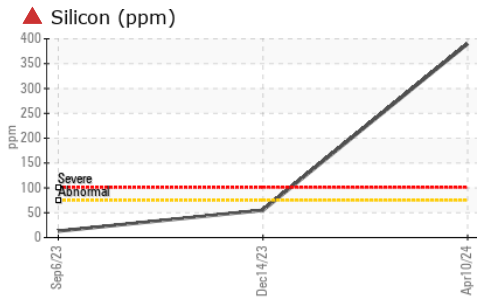
## CONTAMINATION

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

## FLUID CONDITION

The oil is no longer serviceable due to the presence of contaminants.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WE0007232</b>	WE0006147	WE0004562
Sample Date		Client Info		<b>10 Apr 2024</b>	14 Dec 2023	06 Sep 2023
Machine Age	hrs	Client Info		<b>1538</b>	1015	670
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changd</b>	Changed	Not Changd
Filter Changed		Client Info		<b>Not Changd</b>	N/A	Not Changd
Sample Status				<b>SEVERE</b>	NORMAL	NORMAL
PQ		ASTM D8184	>1250	<b>327</b>	130	53
Iron	ppm	ASTM D5185m	>750	<b>484</b>	166	66
Chromium	ppm	ASTM D5185m	>9	<b>3</b>	2	<1
Nickel	ppm	ASTM D5185m	>10	<b>5</b>	2	0
Titanium	ppm	ASTM D5185m		<b>8</b>	1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>40	<b>85</b>	15	1
Lead	ppm	ASTM D5185m	>15	<b>&lt;1</b>	1	0
Copper	ppm	ASTM D5185m	>40	<b>2</b>	<1	0
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	<b>▲ 390</b>	55	13
Potassium	ppm	ASTM D5185m	>20	<b>11</b>	4	0
Water		WC Method	>0.075	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>MODER</b>	MODER	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	>0.075	<b>NEG</b>	NEG	NEG
Sodium	ppm	ASTM D5185m	>51	<b>2</b>	<1	1
Boron	ppm	ASTM D5185m	6	<b>0</b>	0	1
Barium	ppm	ASTM D5185m	0	<b>1</b>	6	2
Molybdenum	ppm	ASTM D5185m	0	<b>1</b>	1	0
Manganese	ppm	ASTM D5185m		<b>5</b>	2	<1
Magnesium	ppm	ASTM D5185m	145	<b>113</b>	102	115
Calcium	ppm	ASTM D5185m	3570	<b>3788</b>	3354	3527
Phosphorus	ppm	ASTM D5185m	1290	<b>1088</b>	1059	1042
Zinc	ppm	ASTM D5185m	1640	<b>1350</b>	1263	1287
Sulfur	ppm	ASTM D5185m		<b>4029</b>	4031	4327
Visc @ 40°C	cSt	ASTM D445	57.0	<b>54.5</b>	52.6	53.8



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WE0007232 **Received** : 15 Apr 2024  
**Lab Number** : 06149683 **Tested** : 16 Apr 2024  
**Unique Number** : 10979761 **Diagnosed** : 18 Apr 2024 - Jonathan Hester  
**Test Package** : CONST ( Additional Tests: PQ )

**WARRIOR TRACTOR AND EQUIPMENT - GRAYSVILLE**  
 4308 WATER TRAIL  
 GRAYSVILLE, AL  
 US 35073  
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 bbyrket@warriortractor.com  
 T: (205)675-9045  
 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)