



# OIL ANALYSIS REPORT

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

Area

[45836]

Machine Id

JOHN DEERE 850L 1T0850LXJPF445777

Component

Right Outer Final Drive

Fluid

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

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0211299	JR0195975	JR0187565
Sample Date		Client Info		11 Apr 2024	04 Dec 2023	18 Sep 2023
Machine Age	hrs	Client Info		1494	972	459
Oil Age	hrs	Client Info		522	972	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Filter Changed		Client Info		N/A	None	N/A
Sample Status				NORMAL	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	107	48	65
Iron	ppm	ASTM D5185m	>750	123	94	64
Chromium	ppm	ASTM D5185m	>9	<1	<1	1
Nickel	ppm	ASTM D5185m	>10	<1	<1	<1
Titanium	ppm	ASTM D5185m		1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	15	5	4
Lead	ppm	ASTM D5185m	>15	0	<1	<1
Copper	ppm	ASTM D5185m	>40	<1	<1	1
Tin	ppm	ASTM D5185m	>10	<1	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

## CONTAMINATION

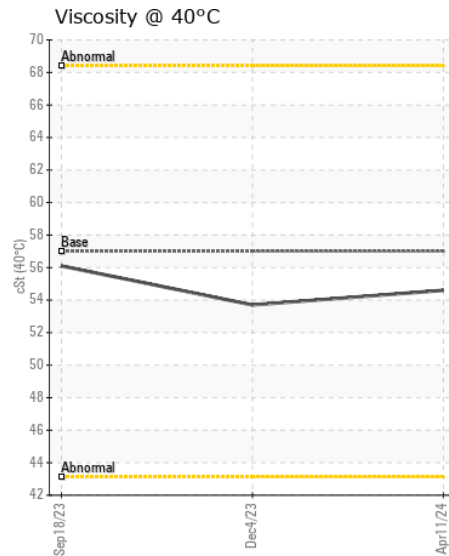
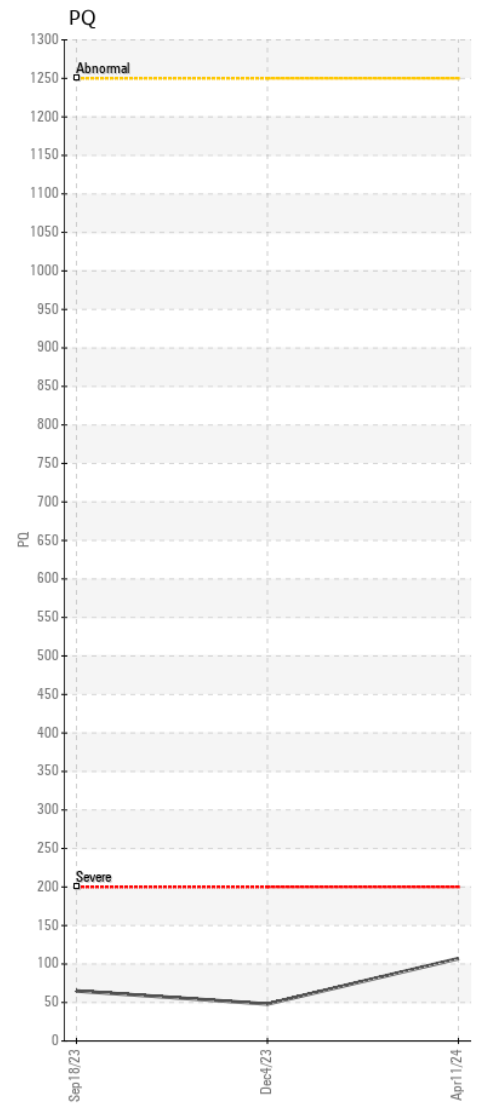
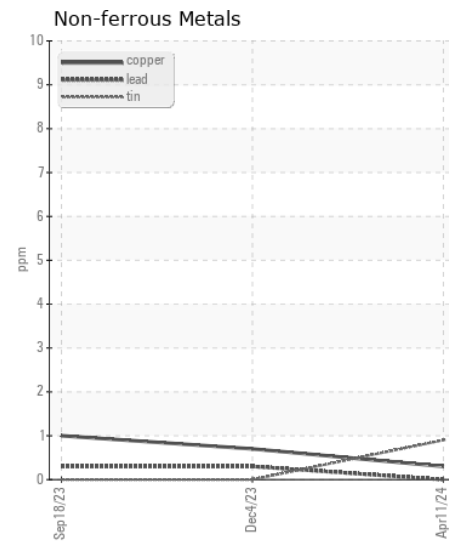
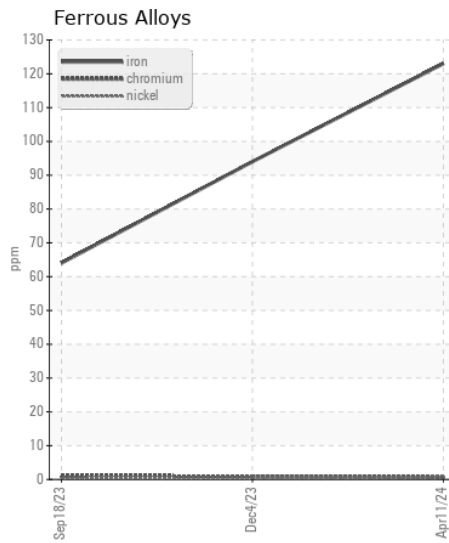
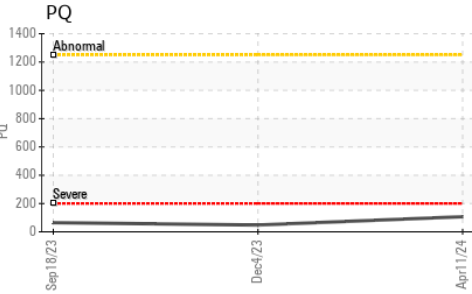
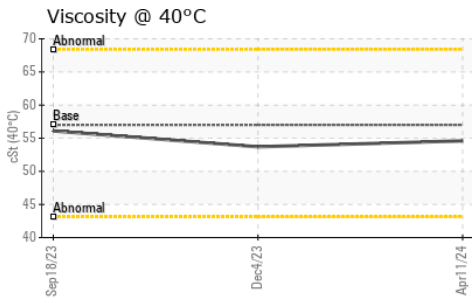
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	55	13	10
Potassium	ppm	ASTM D5185m	>20	3	0	1
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	MODER	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.075	NEG	NEG	NEG

## FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	2	2	0
Boron	ppm	ASTM D5185m	6	5	1	3
Barium	ppm	ASTM D5185m	0	<1	4	6
Molybdenum	ppm	ASTM D5185m	0	4	0	1
Manganese	ppm	ASTM D5185m		1	2	1
Magnesium	ppm	ASTM D5185m	145	107	107	105
Calcium	ppm	ASTM D5185m	3570	3086	3337	3498
Phosphorus	ppm	ASTM D5185m	1290	908	1064	1041
Zinc	ppm	ASTM D5185m	1640	1057	1291	1278
Sulfur	ppm	ASTM D5185m		3796	3811	4334
Visc @ 40°C	cSt	ASTM D445	57.0	54.6	53.7	56.1



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0211299 **Received** : 15 Apr 2024  
**Lab Number** : 06149646 **Tested** : 16 Apr 2024  
**Unique Number** : 10979724 **Diagnosed** : 16 Apr 2024 - Wes Davis  
**Test Package** : CONST ( Additional Tests: PQ )

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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)