



OIL ANALYSIS REPORT

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

Area

[47857]

Machine Id

JOHN DEERE 850L 1T0850LXJPF445777

Component

Right Inner 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		JR0225459	JR0211298	JR0195976
Sample Date		Client Info		10 Jul 2024	11 Apr 2024	04 Dec 2023
Machine Age	hrs	Client Info		1978	1494	972
Oil Age	hrs	Client Info		1456	522	972
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		N/A	N/A	None
Sample Status				NORMAL	NORMAL	NORMAL

**WEAR**

All component wear rates are normal.

PQ		ASTM D8184	>1250	29	34	37
Iron	ppm	ASTM D5185m	>750	71	181	80
Chromium	ppm	ASTM D5185m	>9	<1	2	<1
Nickel	ppm	ASTM D5185m	>10	<1	<1	<1
Titanium	ppm	ASTM D5185m		<1	1	0
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>40	2	7	<1
Lead	ppm	ASTM D5185m	>15	0	0	<1
Copper	ppm	ASTM D5185m	>40	<1	<1	<1
Tin	ppm	ASTM D5185m	>10	0	<1	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

**CONTAMINATION**

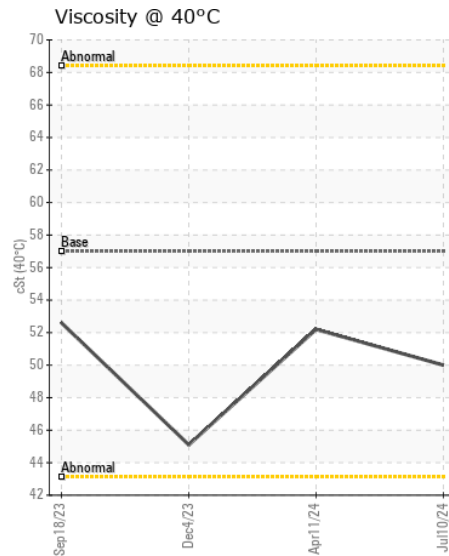
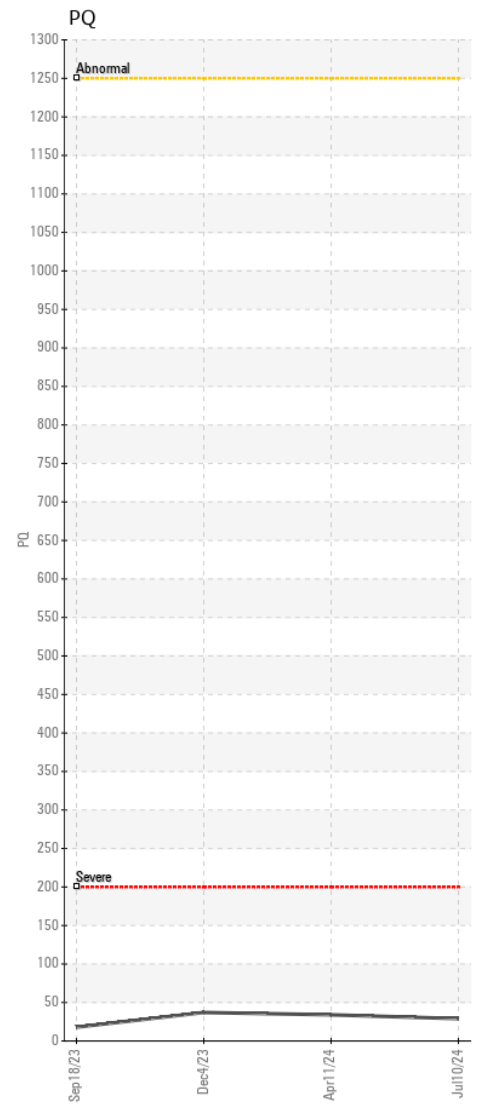
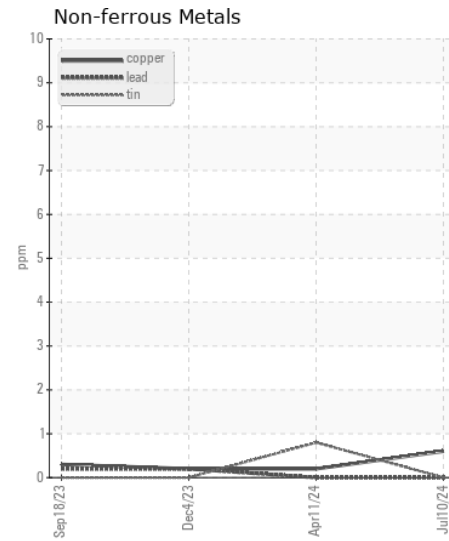
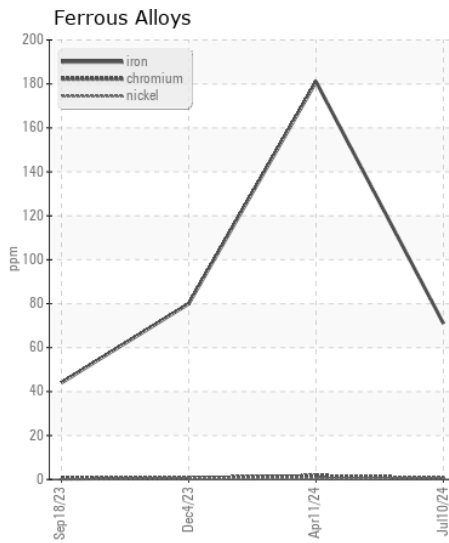
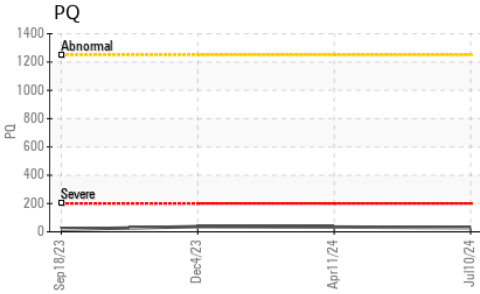
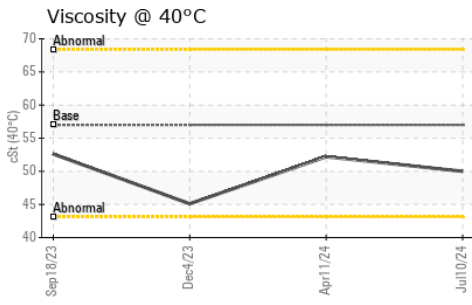
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	6	67	6
Potassium	ppm	ASTM D5185m	>20	2	<1	0
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	LIGHT	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	0	2	2
Boron	ppm	ASTM D5185m	6	11	6	1
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	5	4	0
Manganese	ppm	ASTM D5185m		<1	2	1
Magnesium	ppm	ASTM D5185m	145	111	100	104
Calcium	ppm	ASTM D5185m	3570	3515	3127	3394
Phosphorus	ppm	ASTM D5185m	1290	1010	924	1084
Zinc	ppm	ASTM D5185m	1640	1227	1067	1289
Sulfur	ppm	ASTM D5185m		4297	5153	3665
Visc @ 40°C	cSt	ASTM D445	57.0	50.0	52.2	45.1



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0225459 **Received** : 11 Jul 2024  
**Lab Number** : 06233535 **Tested** : 12 Jul 2024  
**Unique Number** : 11117028 **Diagnosed** : 12 Jul 2024 - Wes Davis  
**Test Package** : CONST ( Additional Tests: PQ )

**B & S SITE DEVELOPMENT**  
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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)