



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

[16W16491]

Machine Id

JOHN DEERE 700L 1T0700LXEMF405259

Component

Left Final Drive

Fluid

JOHN DEERE HY-GARD HYD/TRANS (11 QTS)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: 16W16491)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0217391	JR0181865	JR0126670
Sample Date		Client Info		28 Jun 2024	02 Aug 2023	01 Apr 2022
Machine Age	hrs	Client Info		2986	975	975
Oil Age	hrs	Client Info		999	975	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Chngd	Changed
Filter Changed		Client Info		N/A	N/A	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	63	89	55
Iron	ppm	ASTM D5185m	>750	90	55	136
Chromium	ppm	ASTM D5185m	>9	1	<1	4
Nickel	ppm	ASTM D5185m	>10	<1	<1	0
Titanium	ppm	ASTM D5185m		2	<1	<1
Silver	ppm	ASTM D5185m		<1	<1	<1
Aluminum	ppm	ASTM D5185m	>40	21	6	9
Lead	ppm	ASTM D5185m	>15	<1	<1	<1
Copper	ppm	ASTM D5185m	>40	<1	<1	<1
Tin	ppm	ASTM D5185m	>10	<1	0	<1
Vanadium	ppm	ASTM D5185m		<1	0	<1
White Metal	scalar	*Visual	NONE	MODER	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

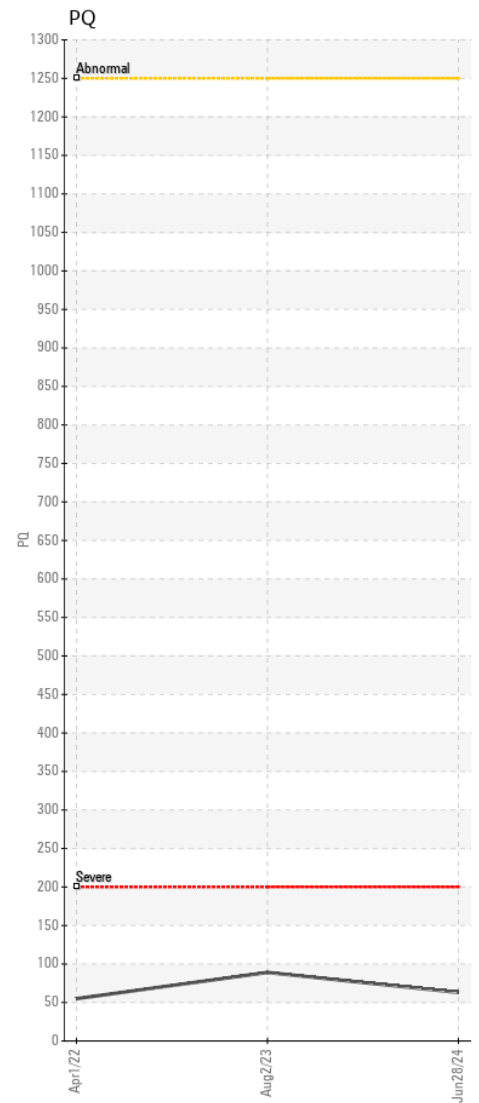
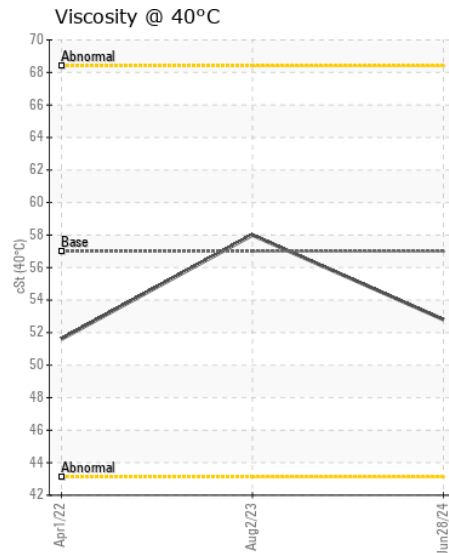
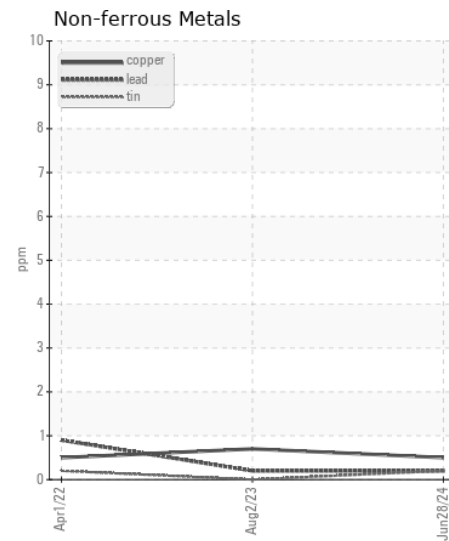
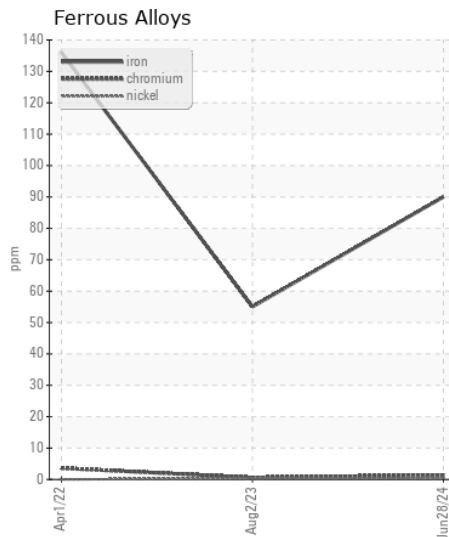
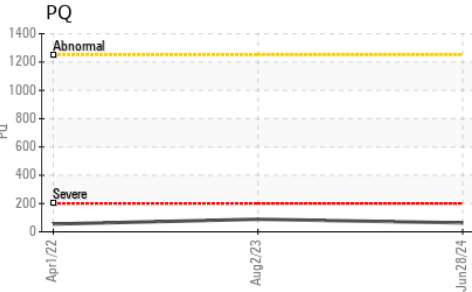
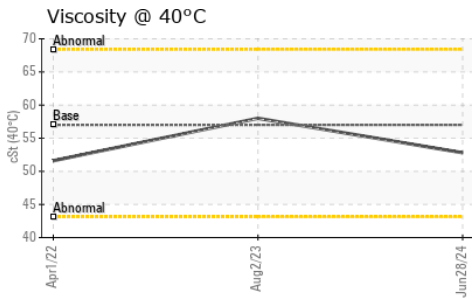
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	56	18	37
Potassium	ppm	ASTM D5185m	>20	7	3	10
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	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	2	0	6
Boron	ppm	ASTM D5185m	6	14	16	2
Barium	ppm	ASTM D5185m	0	<1	0	0
Molybdenum	ppm	ASTM D5185m	0	13	14	3
Manganese	ppm	ASTM D5185m		1	1	3
Magnesium	ppm	ASTM D5185m	145	139	139	105
Calcium	ppm	ASTM D5185m	3570	3431	3535	3624
Phosphorus	ppm	ASTM D5185m	1290	1117	1064	1085
Zinc	ppm	ASTM D5185m	1640	1289	1284	1123
Sulfur	ppm	ASTM D5185m		3760	3826	3262
Visc @ 40°C	cSt	ASTM D445	57.0	52.8	58.0	51.6



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0217391 **Received** : 01 Jul 2024
Lab Number : 06224761 **Tested** : 02 Jul 2024
Unique Number : 11102958 **Diagnosed** : 02 Jul 2024 - Don Baldridge
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)