



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 700L 1T0700LXVMF401903

Component
Right 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		JR0202764	JR0190728	JR0181270
Sample Date		Client Info		27 Feb 2024	01 Dec 2023	25 Jul 2023
Machine Age	hrs	Client Info		3032	2665	2066
Oil Age	hrs	Client Info		966	2665	1641
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changed	Not Changed	Changed
Filter Changed		Client Info		Not Changed	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	57	164	63
Iron	ppm	ASTM D5185m	>750	46	291	60
Chromium	ppm	ASTM D5185m	>9	<1	4	<1
Nickel	ppm	ASTM D5185m	>10	0	2	0
Titanium	ppm	ASTM D5185m		0	1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	3	30	2
Lead	ppm	ASTM D5185m	>15	<1	0	<1
Copper	ppm	ASTM D5185m	>40	0	2	<1
Tin	ppm	ASTM D5185m	>10	0	0	<1
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

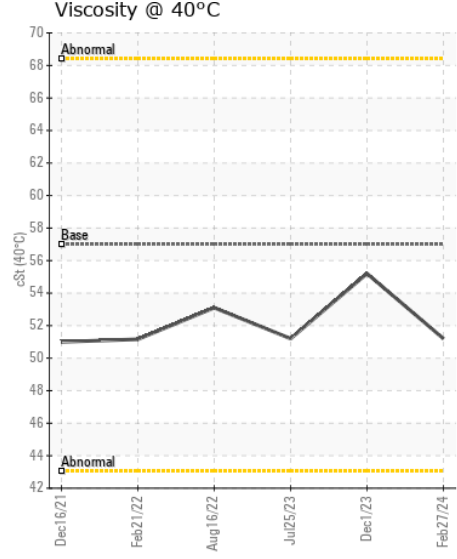
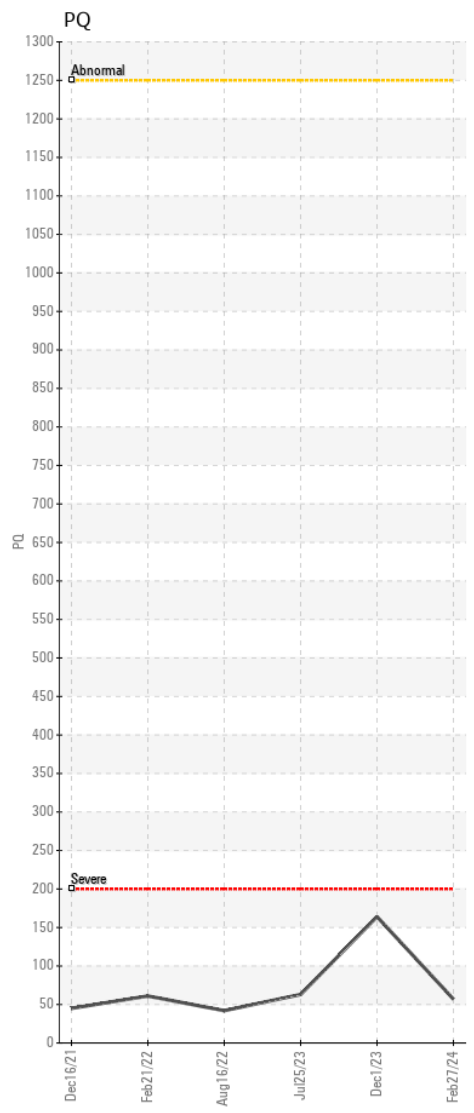
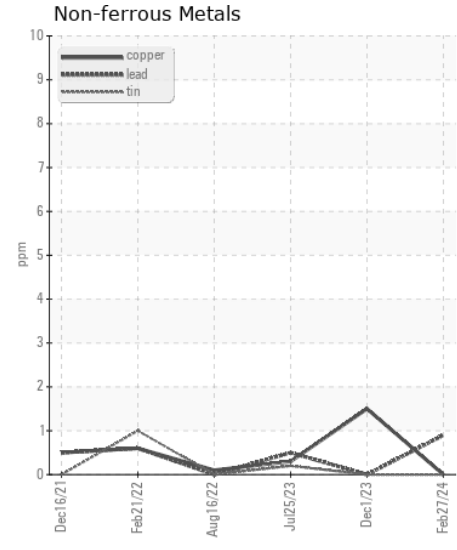
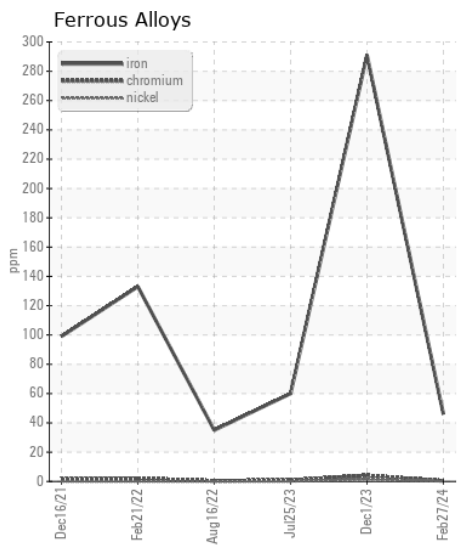
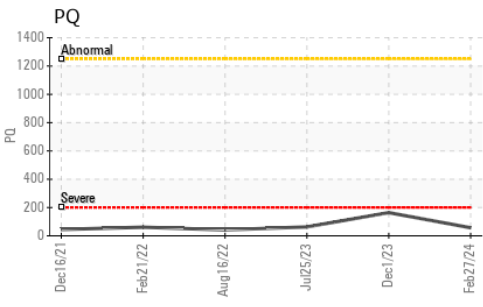
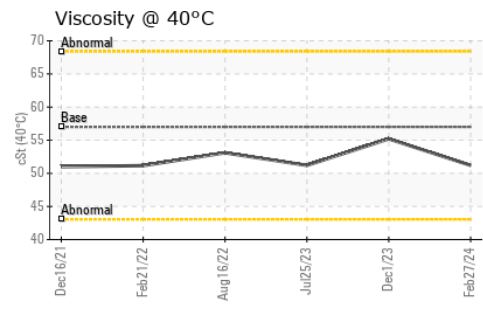
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>75	13	72	10
Potassium	ppm	ASTM D5185m	>20	0	3	2
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	LIGHT	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 fluid is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	1	3	2
Boron	ppm	ASTM D5185m	6	3	0	0
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	2	<1	<1
Manganese	ppm	ASTM D5185m		<1	3	1
Magnesium	ppm	ASTM D5185m	145	94	89	98
Calcium	ppm	ASTM D5185m	3570	3016	3304	3241
Phosphorus	ppm	ASTM D5185m	1290	964	1098	981
Zinc	ppm	ASTM D5185m	1640	1103	1114	1178
Sulfur	ppm	ASTM D5185m		3210	4426	4101
Visc @ 40°C	cSt	ASTM D445	57.0	51.2	55.2	51.2



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0202764 **Received** : 29 Feb 2024
Lab Number : 06104594 **Tested** : 01 Mar 2024
Unique Number : 10902824 **Diagnosed** : 04 Mar 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

JRE - GARNER
 4161 AUBURN CHURCH RD
 GARNER, NC
 US 27529
 Contact: RALEIGH SHOP
 sean.betts@jamesriverequipment.com; catherine.anastasio@wearcheck.com
 T: (919)614-2260
 F: (919)779-5432

Certificate L2367
 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)