



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 700L 1T0700LXCNF429670

Component
Left Final Drive

Fluid
JOHN DEERE HY-GARD HYDRAULIC/RANSMISSION (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0212512	JR0181606	JR0152907
Sample Date		Client Info		07 May 2024	26 Jul 2023	29 Dec 2022
Machine Age	hrs	Client Info		2990	1556	592
Oil Age	hrs	Client Info		0	1556	592
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		None	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	69	20	50
Iron	ppm	ASTM D5185m	>750	61	32	83
Chromium	ppm	ASTM D5185m	>9	<1	0	2
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	<1	1	<1
Lead	ppm	ASTM D5185m	>15	<1	<1	<1
Copper	ppm	ASTM D5185m	>40	0	<1	<1
Tin	ppm	ASTM D5185m	>10	<1	<1	0
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

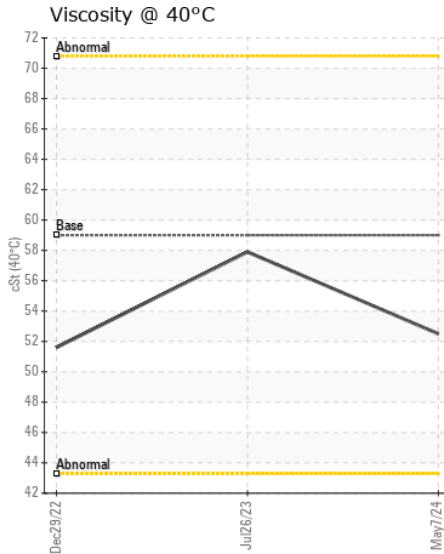
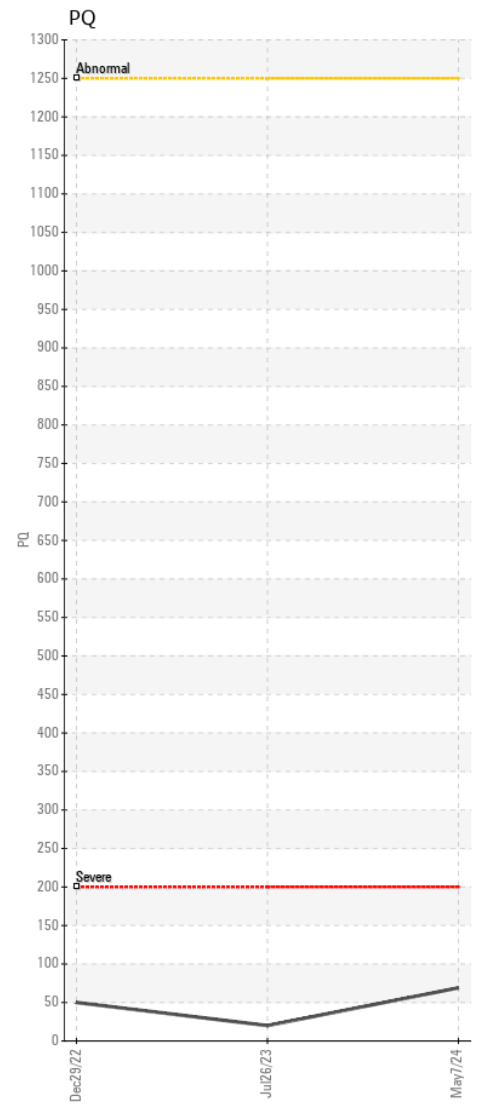
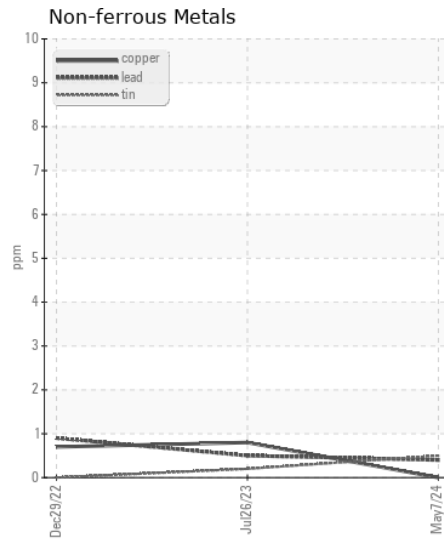
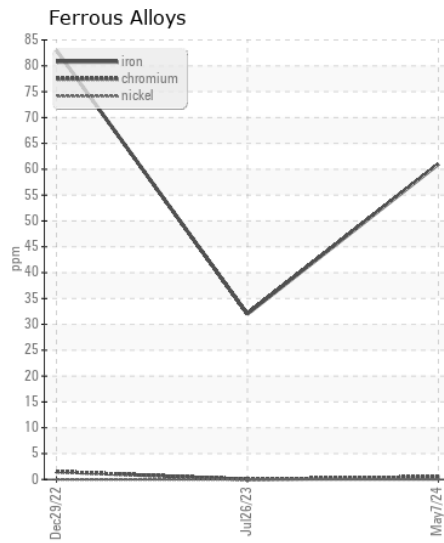
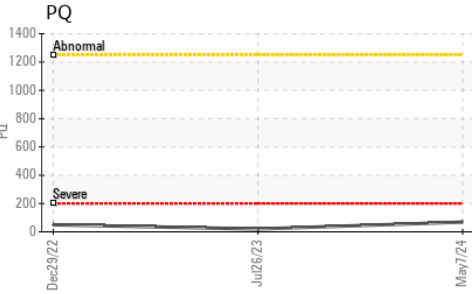
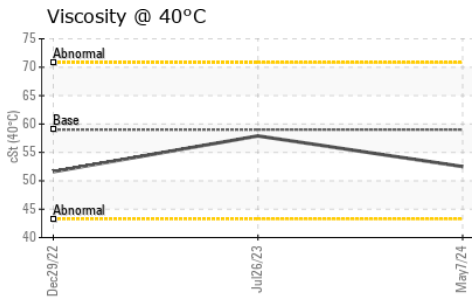
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>75	8	9	11
Potassium	ppm	ASTM D5185m	>20	0	1	4
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	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	1	<1
Boron	ppm	ASTM D5185m		14	7	116
Barium	ppm	ASTM D5185m		0	0	2
Molybdenum	ppm	ASTM D5185m		13	2	<1
Manganese	ppm	ASTM D5185m		1	1	3
Magnesium	ppm	ASTM D5185m		130	100	89
Calcium	ppm	ASTM D5185m		3284	3373	3293
Phosphorus	ppm	ASTM D5185m		1024	984	953
Zinc	ppm	ASTM D5185m		1199	1234	1160
Sulfur	ppm	ASTM D5185m		4014	4183	4587
Visc @ 40°C	cSt	ASTM D445	59	52.5	57.9	51.6



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0212512 **Received** : 09 May 2024
Lab Number : 06174151 **Tested** : 10 May 2024
Unique Number : 11020204 **Diagnosed** : 12 May 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

JRE - GARNER
 4161 AUBURN CHURCH RD
 GARNER, NC
 US 27529

Contact: RALEIGH SHOP
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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)

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