



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[05W45053]
 Machine Id
JOHN DEERE 410L 1T0410LXLMF398469
 Component
Transmission (Manual)
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (16 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0190157	JR0166274	JR0107337
Sample Date		Client Info		20 Feb 2024	24 Mar 2023	21 Feb 2022
Machine Age	hrs	Client Info		1449	944	468
Oil Age	hrs	Client Info		505	944	468
Filter Age	hrs	Client Info		505	944	468
Oil Changed		Client Info		Not Changed	Changed	Not Changed
Filter Changed		Client Info		Not Changed	Changed	Not Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>95	12	17	23
Iron	ppm	ASTM D5185m	>200	21	32	24
Chromium	ppm	ASTM D5185m	>5	<1	<1	<1
Nickel	ppm	ASTM D5185m	>5	<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>7	<1	0	<1
Aluminum	ppm	ASTM D5185m	>25	4	8	6
Lead	ppm	ASTM D5185m	>45	<1	<1	<1
Copper	ppm	ASTM D5185m	>225	36	13	11
Tin	ppm	ASTM D5185m	>10	<1	0	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

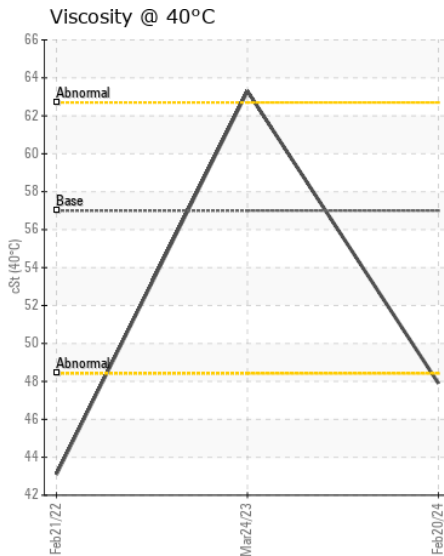
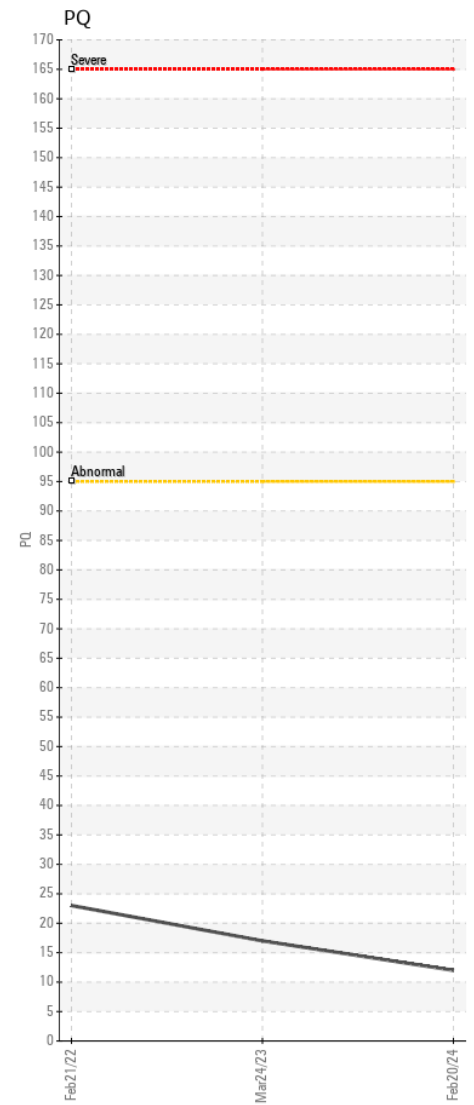
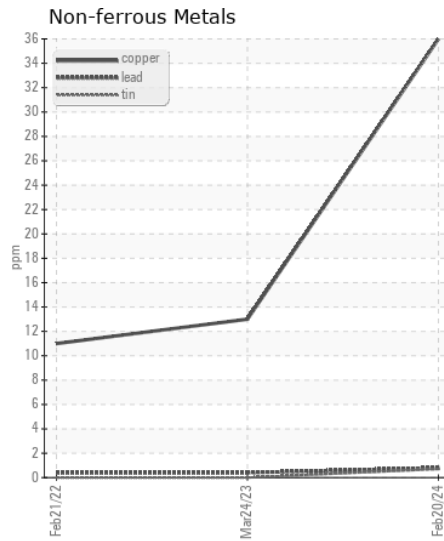
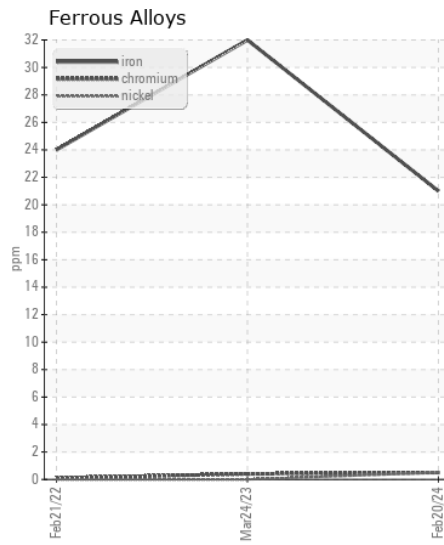
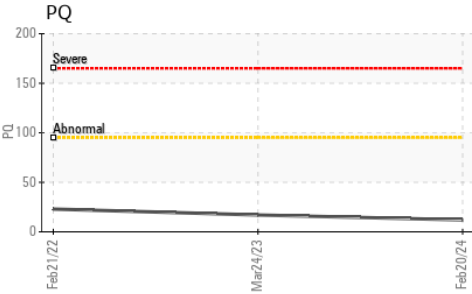
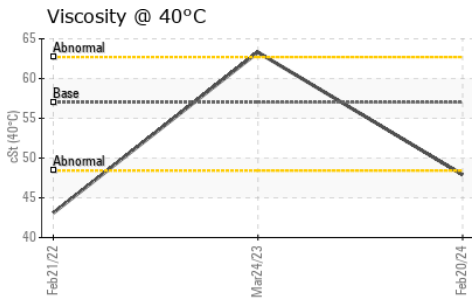
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>125	6	6	5
Potassium	ppm	ASTM D5185m	>20	4	3	6
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	LIGHT
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	>0.1	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		1	6	7
Boron	ppm	ASTM D5185m	6	16	17	20
Barium	ppm	ASTM D5185m	0	7	<1	0
Molybdenum	ppm	ASTM D5185m	0	4	<1	0
Manganese	ppm	ASTM D5185m		2	2	3
Magnesium	ppm	ASTM D5185m	145	100	85	88
Calcium	ppm	ASTM D5185m	3570	3395	3452	3820
Phosphorus	ppm	ASTM D5185m	1290	984	1006	1138
Zinc	ppm	ASTM D5185m	1640	1202	1289	1458
Sulfur	ppm	ASTM D5185m		3841	4166	3283
Visc @ 40°C	cSt	ASTM D445	57.0	47.9	63.3	43.1



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0190157 **Received** : 22 Feb 2024
Lab Number : 06097925 **Tested** : 25 Feb 2024
Unique Number : 10896155 **Diagnosed** : 25 Feb 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

JRE - MANASSAS PARK
 9107 OWENS DRIVE
 MANASSAS PARK, VA
 US 20111

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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)