



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 1T0310SLJMF397262
 Component
Transmission (Manual)
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (16 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0214292	JR0169122	JR0146497
Sample Date		Client Info		22 Apr 2024	23 Apr 2023	21 Oct 2022
Machine Age	hrs	Client Info		1793	1305	934
Oil Age	hrs	Client Info		1793	0	934
Filter Age	hrs	Client Info		1793	0	934
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		Changed	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>95	21	12	15
Iron	ppm	ASTM D5185m	>200	60	41	35
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	0
Aluminum	ppm	ASTM D5185m	>25	13	8	9
Lead	ppm	ASTM D5185m	>45	2	0	1
Copper	ppm	ASTM D5185m	>225	22	13	11
Tin	ppm	ASTM D5185m	>10	1	0	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

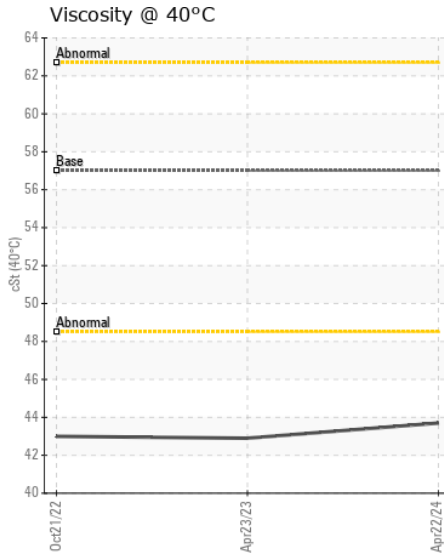
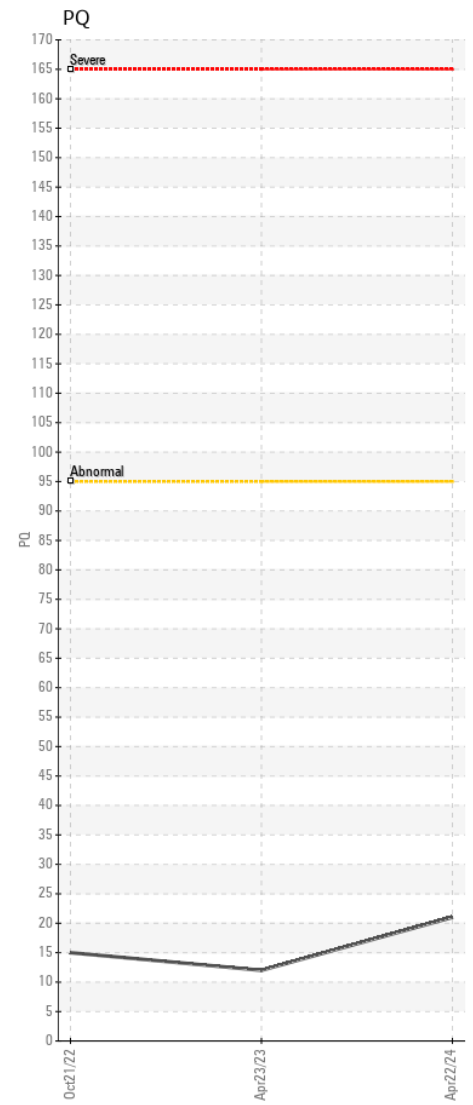
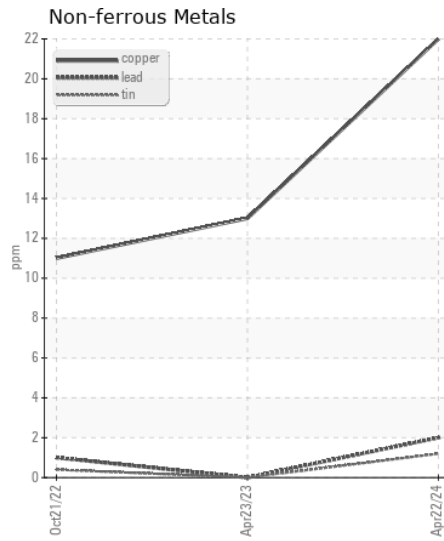
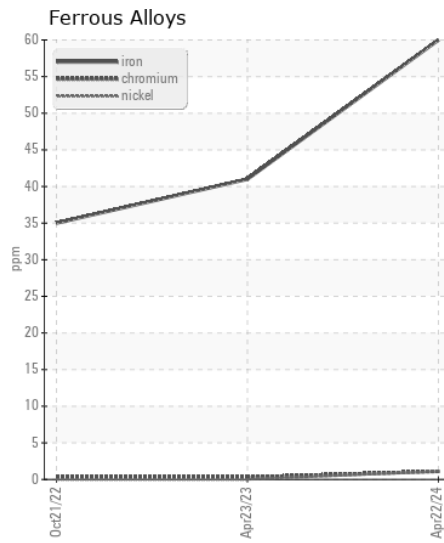
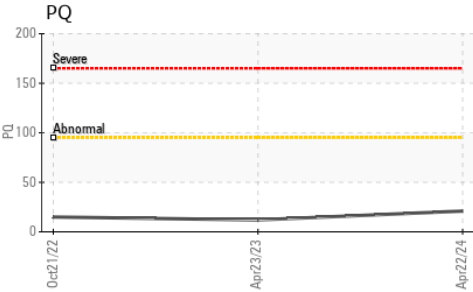
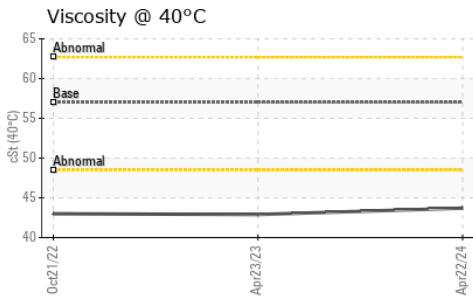
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>125	9	5	5
Potassium	ppm	ASTM D5185m	>20	6	2	0
Water		WC Method	>0.1	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	>0.1	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		7	8	4
Boron	ppm	ASTM D5185m	6	24	19	17
Barium	ppm	ASTM D5185m	0	3	<1	<1
Molybdenum	ppm	ASTM D5185m	0	2	<1	<1
Manganese	ppm	ASTM D5185m		4	3	2
Magnesium	ppm	ASTM D5185m	145	118	89	89
Calcium	ppm	ASTM D5185m	3570	4658	3462	3564
Phosphorus	ppm	ASTM D5185m	1290	1442	1012	1033
Zinc	ppm	ASTM D5185m	1640	1702	1235	1276
Sulfur	ppm	ASTM D5185m		5531	4206	4342
Visc @ 40°C	cSt	ASTM D445	57.0	43.7	42.9	43.0



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0214292 **Received** : 24 Apr 2024
Lab Number : 06159866 **Tested** : 25 Apr 2024
Unique Number : 10995289 **Diagnosed** : 25 Apr 2024 - Wes Davis
Test Package : CONST (Additional Tests: PQ)

NPL CONSTRUCTION
 7611 COPPERMINE DR
 MANASSAS, VA
 US 20109-2668
 Contact: BRANDON

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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