



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

[16W16533]

Machine Id

JOHN DEERE 844L 1DW844LXANL714138

Component

Transmission (Manual)

Fluid

JOHN DEERE HY-GARD HYD/TRANS (30 QTS)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: 16W16533)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0217323	JR0206944	JR0185643
Sample Date		Client Info		29 Jun 2024	16 Mar 2024	11 Nov 2023
Machine Age	hrs	Client Info		2979	2502	2041
Oil Age	hrs	Client Info		938	461	2041
Filter Age	hrs	Client Info		938	461	2041
Oil Changed		Client Info		Not Changed	Not Changed	Changed
Filter Changed		Client Info		Not Changed	Not Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>95	20	19	24
Iron	ppm	ASTM D5185m	>200	47	47	59
Chromium	ppm	ASTM D5185m	>5	0	<1	0
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m	>7	<1	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	2	<1
Lead	ppm	ASTM D5185m	>45	0	<1	0
Copper	ppm	ASTM D5185m	>225	12	11	12
Tin	ppm	ASTM D5185m	>10	<1	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

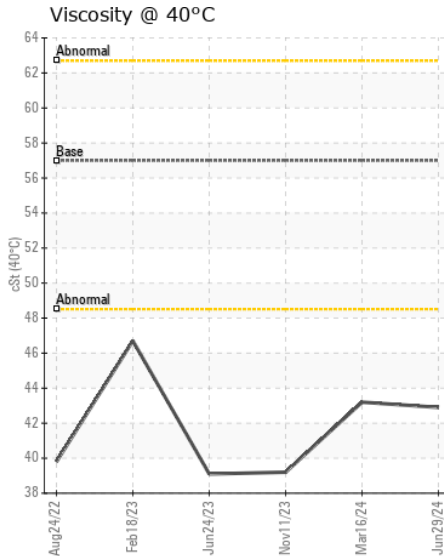
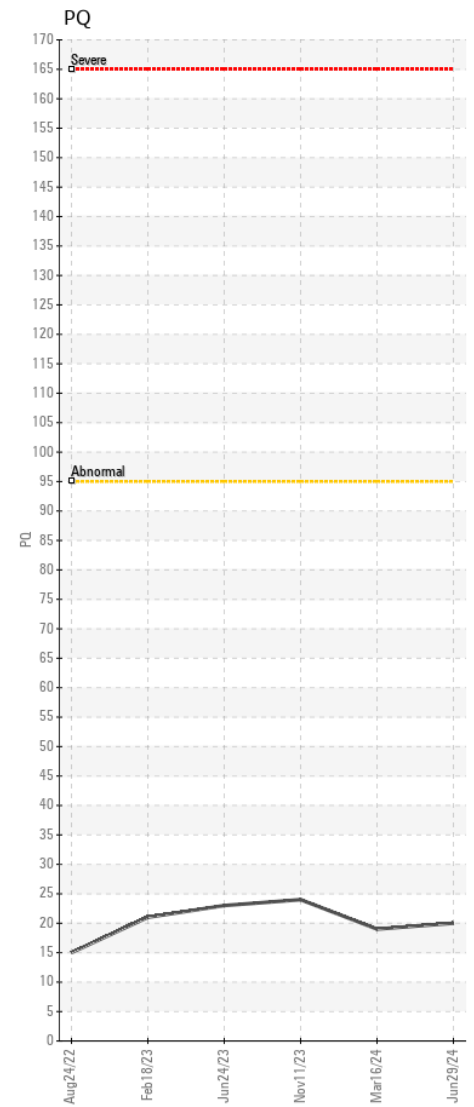
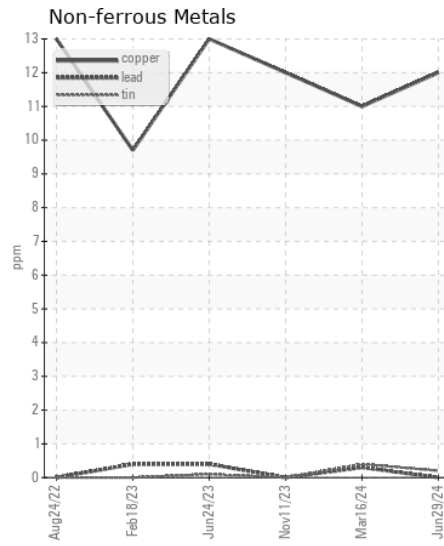
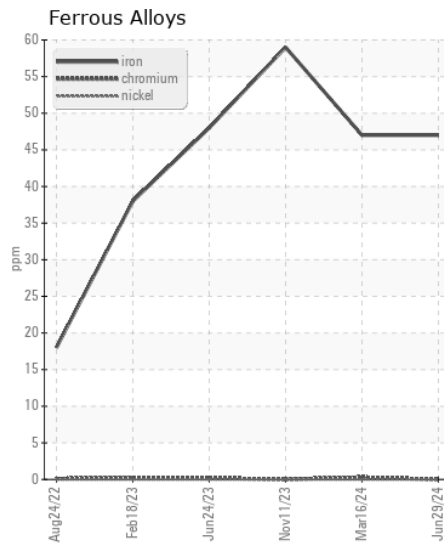
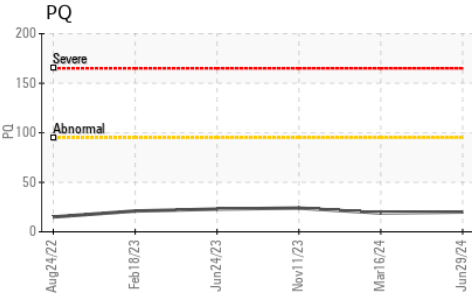
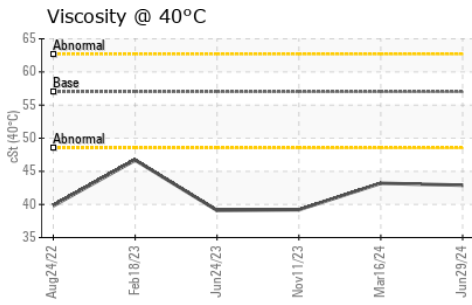
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>125	9	10	11
Potassium	ppm	ASTM D5185m	>20	<1	2	<1
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		20	18	32
Boron	ppm	ASTM D5185m	6	2	<1	0
Barium	ppm	ASTM D5185m	0	0	0	<1
Molybdenum	ppm	ASTM D5185m	0	0	1	<1
Manganese	ppm	ASTM D5185m		1	<1	<1
Magnesium	ppm	ASTM D5185m	145	91	88	77
Calcium	ppm	ASTM D5185m	3570	3293	3143	2835
Phosphorus	ppm	ASTM D5185m	1290	1050	990	996
Zinc	ppm	ASTM D5185m	1640	1212	1212	1163
Sulfur	ppm	ASTM D5185m		4077	3606	3504
Visc @ 40°C	cSt	ASTM D445	57.0	42.9	43.2	39.2



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0217323 **Received** : 02 Jul 2024
Lab Number : 06226477 **Tested** : 03 Jul 2024
Unique Number : 11109970 **Diagnosed** : 05 Jul 2024 - Don Baldridge
Test Package : CONST (Additional Tests: PQ)

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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