



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
JOHN DEERE 410E 1DW410EBHNF716068
 Component
Center Differential
 Fluid
JOHN DEERE HY-GARD HYDRAULIC/RANSMISSION (10 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0220044	JR0215606	JR0192728
Sample Date		Client Info		24 Jun 2024	28 May 2024	16 Nov 2023
Machine Age	mls	Client Info		2511	4751682	4751682
Oil Age	mls	Client Info		2511	4751682	4751682
Filter Age	mls	Client Info		0	0	0
Oil Changed		Client Info		Not Changed	Changed	Not Changed
Filter Changed		Client Info		Not Changed	Not Changed	Not Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		25	21	13
Iron	ppm	ASTM D5185m	>500	39	55	<1
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m	>10	<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	3	<1	1
Lead	ppm	ASTM D5185m	>25	2	18	0
Copper	ppm	ASTM D5185m	>100	12	28	0
Tin	ppm	ASTM D5185m	>10	<1	3	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

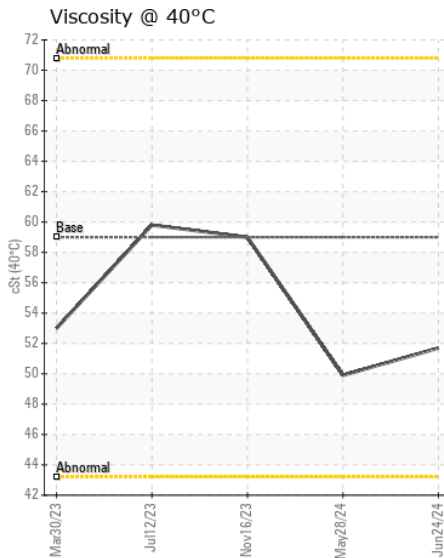
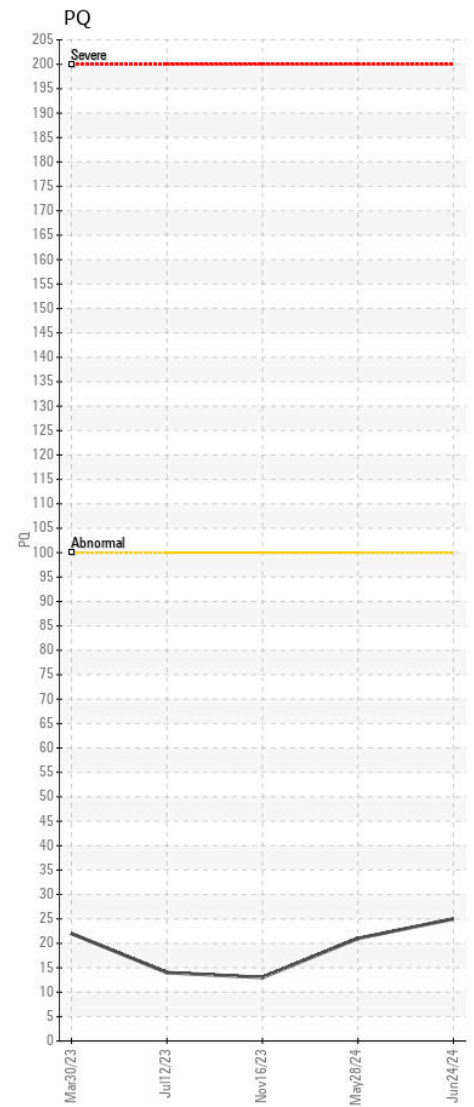
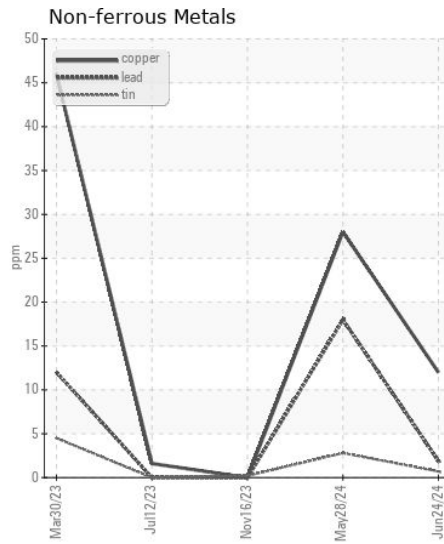
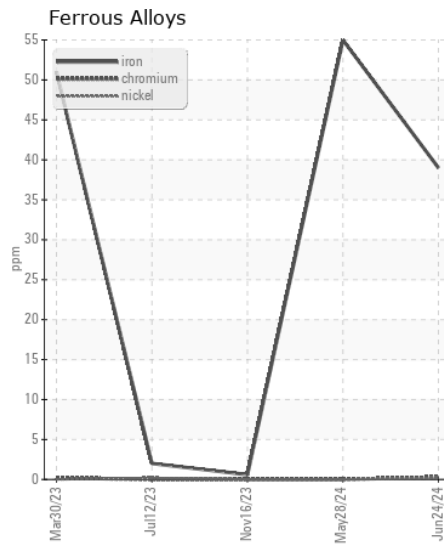
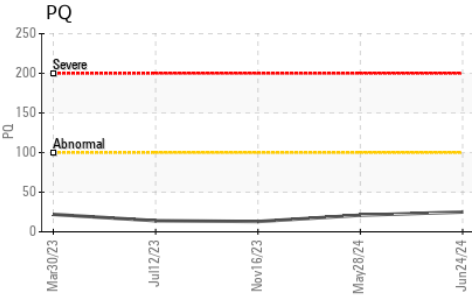
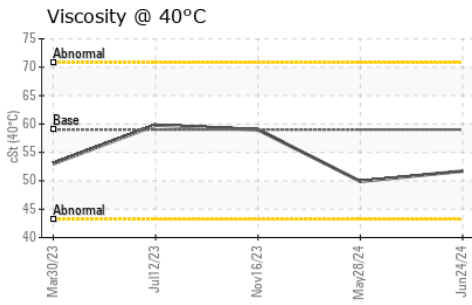
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	6	5	6
Potassium	ppm	ASTM D5185m	>20	2	0	0
Water		WC Method	>.2	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	>.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		2	4	<1
Boron	ppm	ASTM D5185m		2	1	<1
Barium	ppm	ASTM D5185m		4	4	0
Molybdenum	ppm	ASTM D5185m		<1	0	0
Manganese	ppm	ASTM D5185m		2	2	<1
Magnesium	ppm	ASTM D5185m		118	99	104
Calcium	ppm	ASTM D5185m		4165	3541	3322
Phosphorus	ppm	ASTM D5185m		1303	1121	1016
Zinc	ppm	ASTM D5185m		1485	1252	1232
Sulfur	ppm	ASTM D5185m		4883	4513	3412
Visc @ 40°C	cSt	ASTM D445	59	51.7	49.9	59.0



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : JR0220044

Lab Number : 06221466

Unique Number : 11099663

Test Package : CONST (Additional Tests: PQ)

Received : 26 Jun 2024

Tested : 27 Jun 2024

Diagnosed : 27 Jun 2024 - Wes Davis

JRE - CHARLOTTE

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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)