



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
JOHN DEERE 410E-II 1DW410EYJNF715032
Component
Rear Differential
Fluid
JOHN DEERE HY-GARD HYD/TRANS (14 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0220762	JR0214121	JR0201072
Sample Date		Client Info		27 Jun 2024	29 Apr 2024	30 Jan 2024
Machine Age	hrs	Client Info		4399	3871	3362
Oil Age	hrs	Client Info		2583	2564	2683
Filter Age	hrs	Client Info		528	502	500
Oil Changed		Client Info		Changed	Not Changd	N/A
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		13	9	12
Iron	ppm	ASTM D5185m	>500	13	19	59
Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
Nickel	ppm	ASTM D5185m	>10	<1	<1	<1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>25	3	1	3
Lead	ppm	ASTM D5185m	>25	<1	1	4
Copper	ppm	ASTM D5185m	>100	5	7	6
Tin	ppm	ASTM D5185m	>10	<1	<1	1
Vanadium	ppm	ASTM D5185m		<1	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

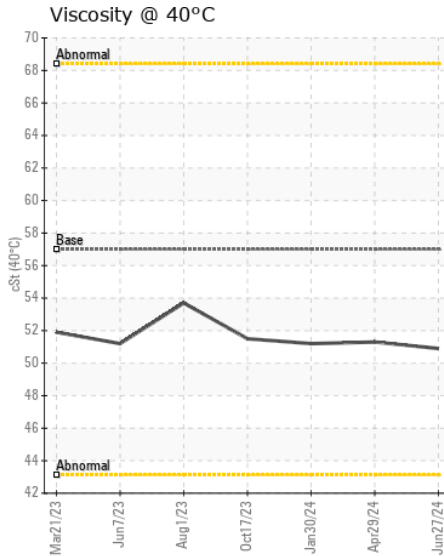
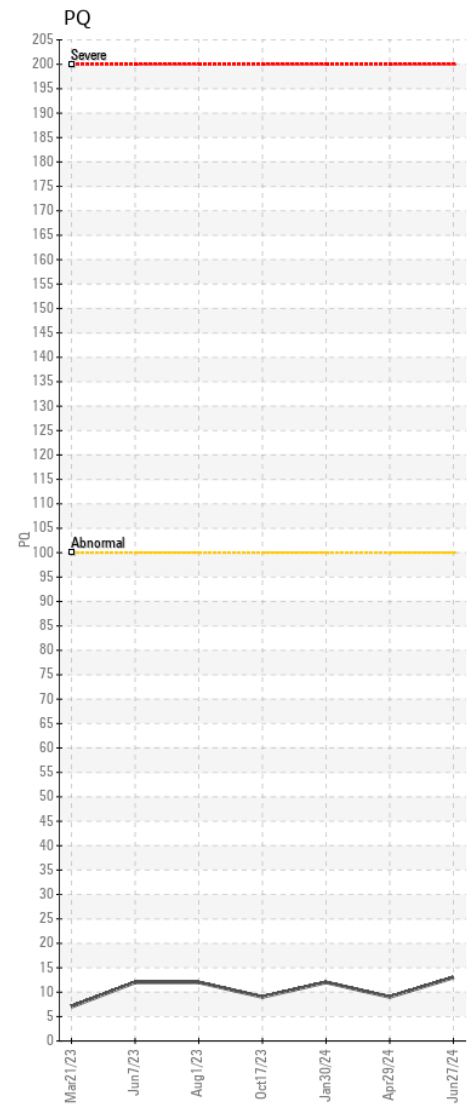
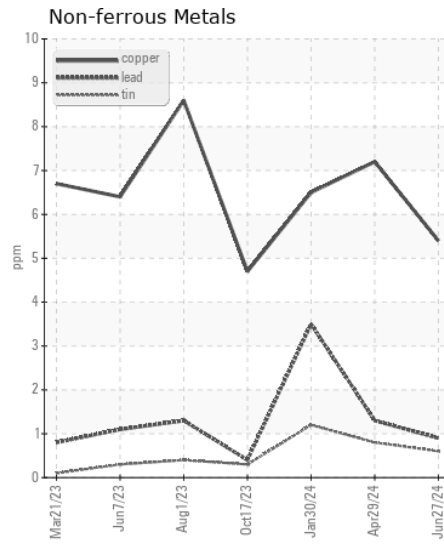
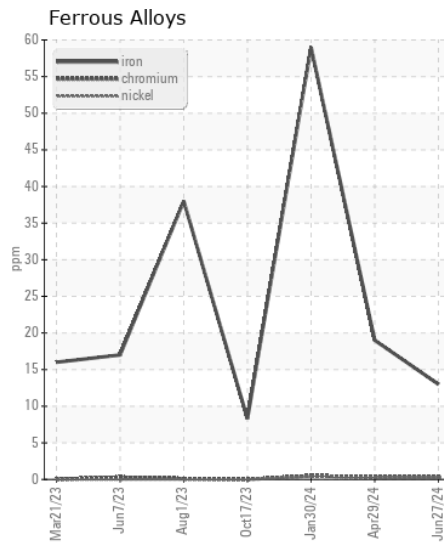
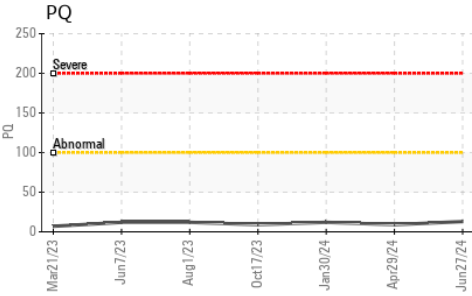
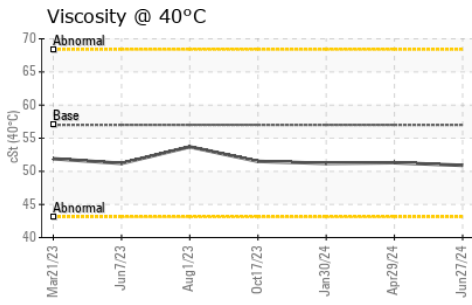
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	4	6	25
Potassium	ppm	ASTM D5185m	>20	2	2	3
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		1	2	4
Boron	ppm	ASTM D5185m	6	1	0	1
Barium	ppm	ASTM D5185m	0	2	2	1
Molybdenum	ppm	ASTM D5185m	0	<1	<1	<1
Manganese	ppm	ASTM D5185m		<1	1	3
Magnesium	ppm	ASTM D5185m	145	94	133	95
Calcium	ppm	ASTM D5185m	3570	3471	4931	3261
Phosphorus	ppm	ASTM D5185m	1290	1111	1654	977
Zinc	ppm	ASTM D5185m	1640	1275	1800	1181
Sulfur	ppm	ASTM D5185m		4678	5963	4182
Visc @ 40°C	cSt	ASTM D445	57.0	50.9	51.3	51.2



Certificate L2367

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

Sample No. : JR0220762

Lab Number : 06224771

Unique Number : 11102968

Test Package : CONST (Additional Tests: PQ)

Received : 01 Jul 2024

Tested : 02 Jul 2024

Diagnosed : 02 Jul 2024 - Wes Davis

JRE - NEW BERN

3816 MARTIN LUTHER KING BLVD

NEW BERN, NC

US 28562

Contact: NEW BERN SHOP

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T:

F:

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)