



WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL



Area
[W66220]
 Machine Id
JOHN DEERE 410E 1DW410EBCNF716050
 Component
Front Differential
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (5 GAL)

RECOMMENDATION

We advise that you check for the source of water entry. We recommend an early resample to monitor this condition. (Customer Sample Comment: W66220)

WEAR

All component wear rates are normal.

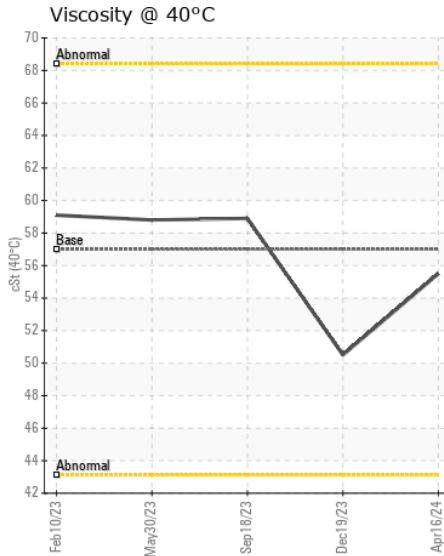
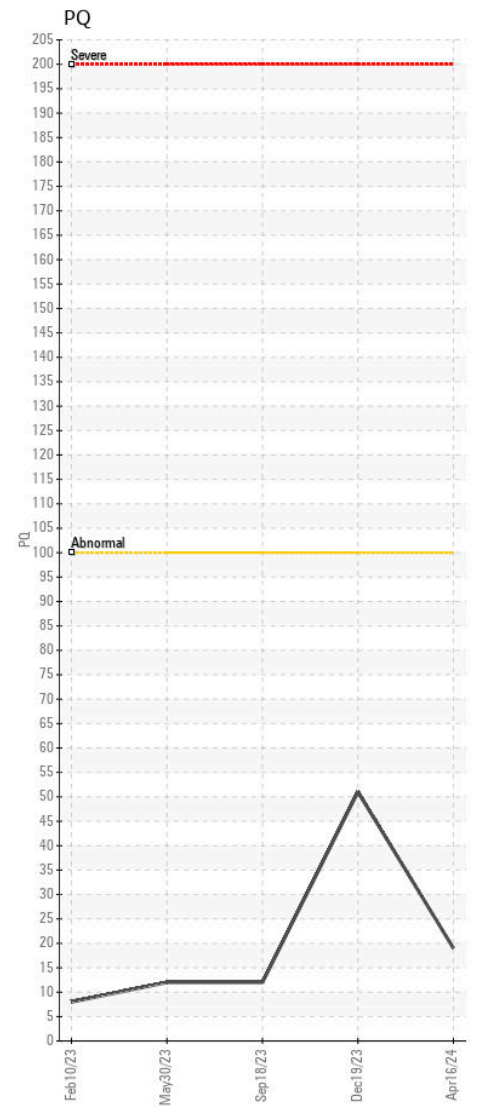
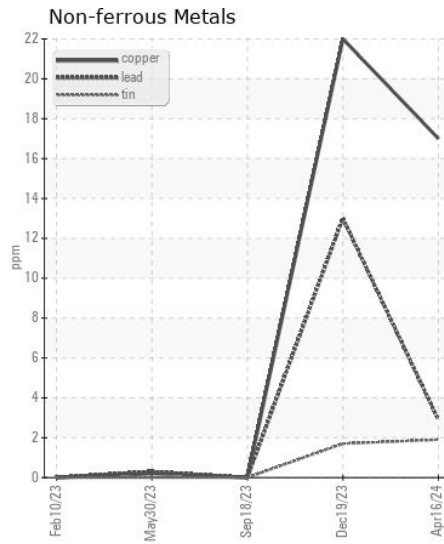
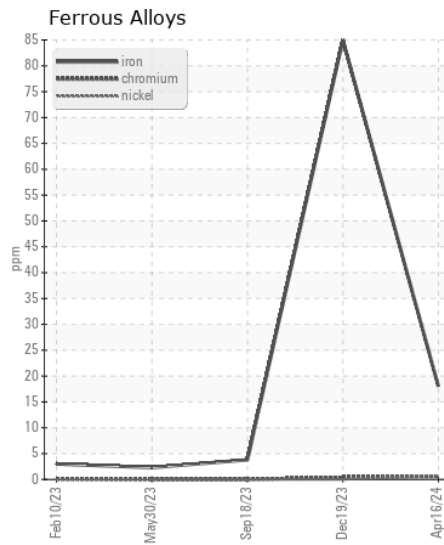
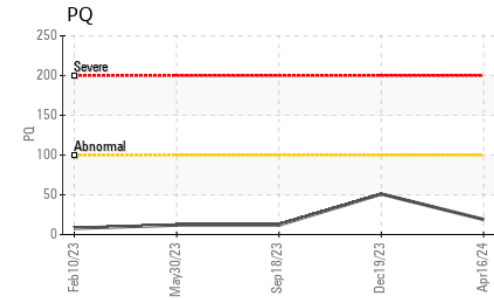
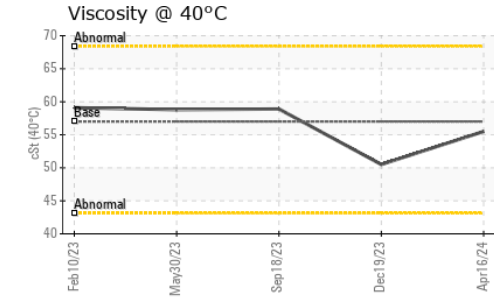
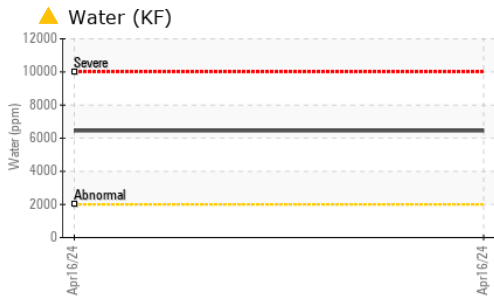
CONTAMINATION

Appearance is hazy. There is a moderate concentration of water present in the oil.

FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0206698	JR0193148	JR0188722
Sample Date		Client Info		16 Apr 2024	19 Dec 2023	18 Sep 2023
Machine Age	hrs	Client Info		2510	2017	1505
Oil Age	hrs	Client Info		493	2017	1505
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changed	Changed	Not Changed
Filter Changed		Client Info		Not Changed	Changed	Not Changed
Sample Status				ABNORMAL	NORMAL	NORMAL
PQ		ASTM D8184		19	51	12
Iron	ppm	ASTM D5185m	>500	18	85	4
Chromium	ppm	ASTM D5185m	>10	<1	<1	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	2	1	1
Lead	ppm	ASTM D5185m	>25	3	13	0
Copper	ppm	ASTM D5185m	>100	17	22	0
Tin	ppm	ASTM D5185m	>10	2	2	0
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	MODER	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	17	7	5
Potassium	ppm	ASTM D5185m	>20	16	0	0
Water	%	ASTM D6304	>.2	▲ 0.645	---	---
ppm Water	ppm	ASTM D6304	>2000	▲ 6450	---	---
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	● HAZY	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>.2	▲ 0.2%	NEG	NEG
Sodium	ppm	ASTM D5185m		45	4	<1
Boron	ppm	ASTM D5185m	6	10	<1	5
Barium	ppm	ASTM D5185m	0	3	3	0
Molybdenum	ppm	ASTM D5185m	0	8	0	0
Manganese	ppm	ASTM D5185m		2	2	0
Magnesium	ppm	ASTM D5185m	145	95	101	95
Calcium	ppm	ASTM D5185m	3570	3398	3388	3111
Phosphorus	ppm	ASTM D5185m	1290	1057	1102	956
Zinc	ppm	ASTM D5185m	1640	1212	1230	1200
Sulfur	ppm	ASTM D5185m		3922	3910	4291
Visc @ 40°C	cSt	ASTM D445	57.0	55.5	50.5	58.9



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0206698
Lab Number : 06153387
Unique Number : 10983465
Test Package : CONST (Additional Tests: KF, PQ)

Received : 18 Apr 2024
Tested : 22 Apr 2024
Diagnosed : 22 Apr 2024 - Sean Felton

JRE - CHARLOTTE
 9550 STATESVILLE ROAD
 CHARLOTTE, NC
 US 28269

Contact: CHARLOTTE SHOP
 myoung@jamesriverequipment.com

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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