



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 4052R 1LV4052RLJJ401893

Component
Front Differential

Fluid
TDTO FLUID SAE 10W (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0209325	JR0185928	JR0167808
Sample Date		Client Info		20 May 2024	11 Sep 2023	03 May 2023
Machine Age	hrs	Client Info		3710	3063	2727
Oil Age	hrs	Client Info		2976	336	2727
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Changed
Filter Changed		Client Info		None	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		101	89	163
Iron	ppm	ASTM D5185m	>500	149	169	315
Chromium	ppm	ASTM D5185m	>10	2	3	6
Nickel	ppm	ASTM D5185m	>10	0	0	<1
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>25	<1	0	2
Lead	ppm	ASTM D5185m	>25	0	1	0
Copper	ppm	ASTM D5185m	>100	0	<1	1
Tin	ppm	ASTM D5185m	>10	0	<1	0
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

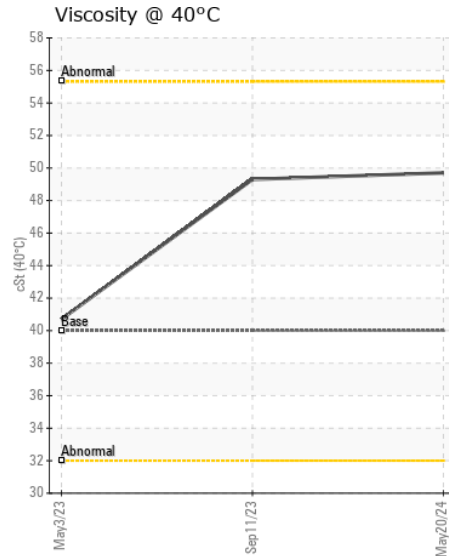
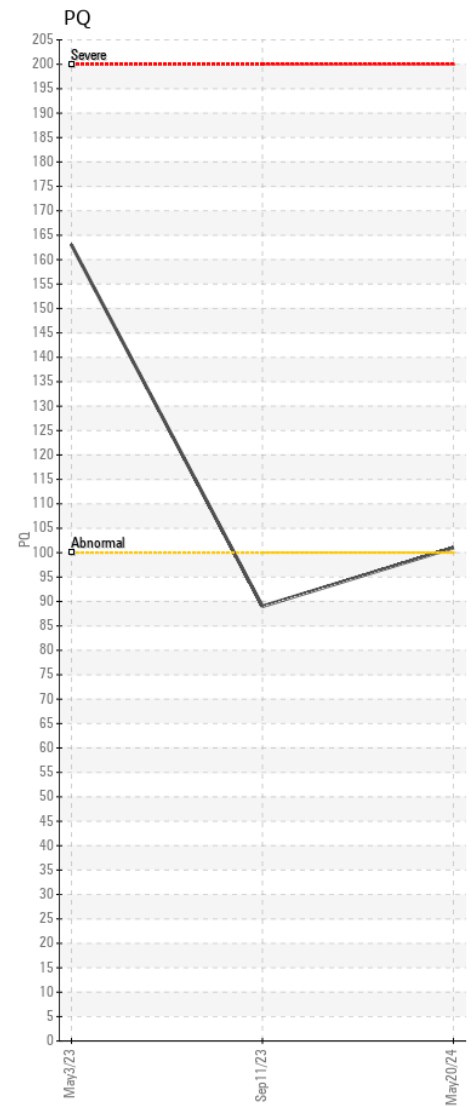
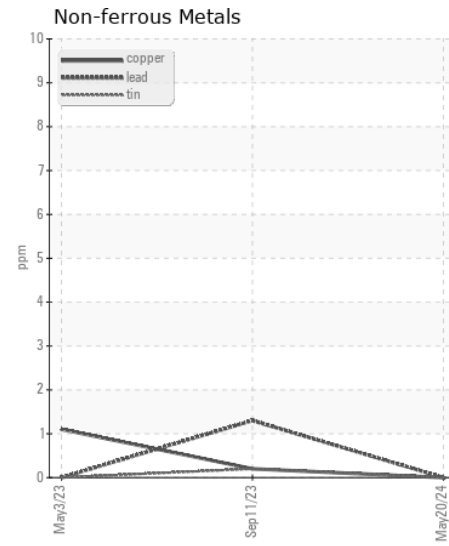
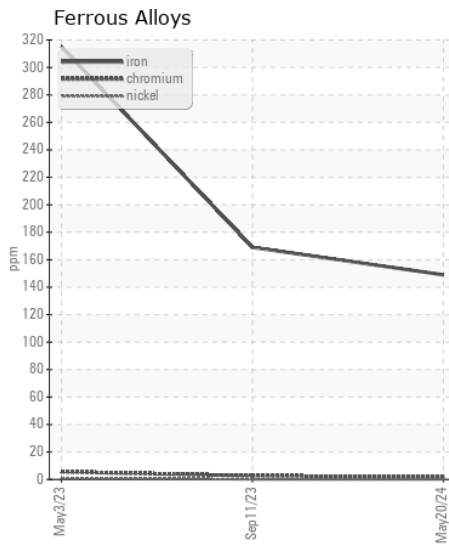
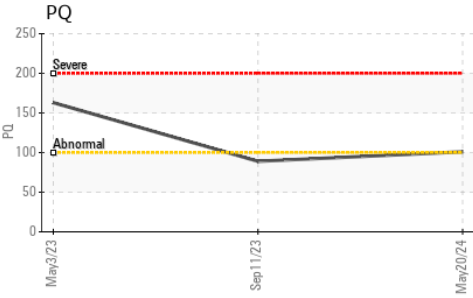
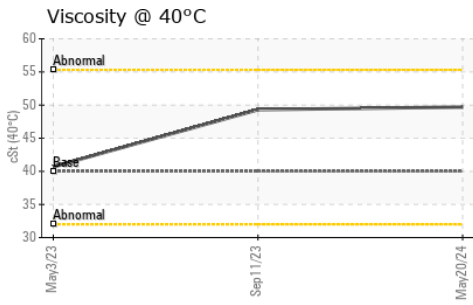
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	7	9	11
Potassium	ppm	ASTM D5185m	>20	0	2	2
Water		WC Method	>.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	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	3	5
Boron	ppm	ASTM D5185m	37	20	28	57
Barium	ppm	ASTM D5185m	7	<1	0	2
Molybdenum	ppm	ASTM D5185m	5	<1	1	2
Manganese	ppm	ASTM D5185m		2	3	5
Magnesium	ppm	ASTM D5185m	40	60	78	55
Calcium	ppm	ASTM D5185m	2650	2733	3086	2456
Phosphorus	ppm	ASTM D5185m	1050	1034	1027	1073
Zinc	ppm	ASTM D5185m	1075	1169	1289	1347
Sulfur	ppm	ASTM D5185m	5750	4878	4746	6363
Visc @ 40°C	cSt	ASTM D445	40	49.7	49.3	40.7



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0209325 **Received** : 21 May 2024
Lab Number : 06186434 **Tested** : 22 May 2024
Unique Number : 11043186 **Diagnosed** : 23 May 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

JRE - GARNER
 4161 AUBURN CHURCH RD
 GARNER, NC
 US 27529

Contact: RALEIGH SHOP
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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)

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