



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 524 P 1DW524PAPRLX21751

Component
Front Differential
Fluid
{not provided} (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0213360	JR0194821	JR0205163
Sample Date		Client Info		08 May 2024	10 Mar 2024	18 Feb 2024
Machine Age	hrs	Client Info		1026	521	262
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		12	15	140
Iron	ppm	ASTM D5185m	>500	4	10	134
Chromium	ppm	ASTM D5185m	>10	0	<1	1
Nickel	ppm	ASTM D5185m	>10	0	0	2
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>25	<1	2	2
Lead	ppm	ASTM D5185m	>25	<1	0	5
Copper	ppm	ASTM D5185m	>100	0	<1	11
Tin	ppm	ASTM D5185m	>10	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

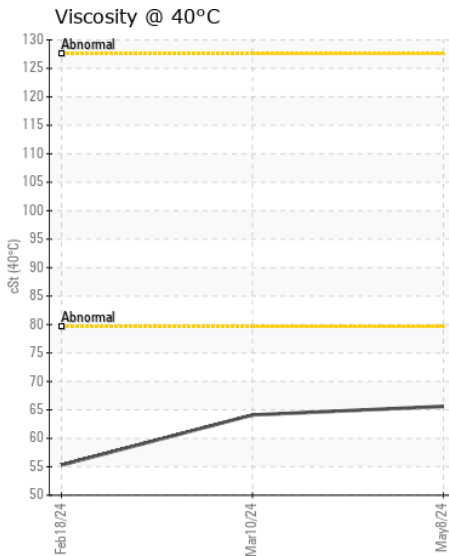
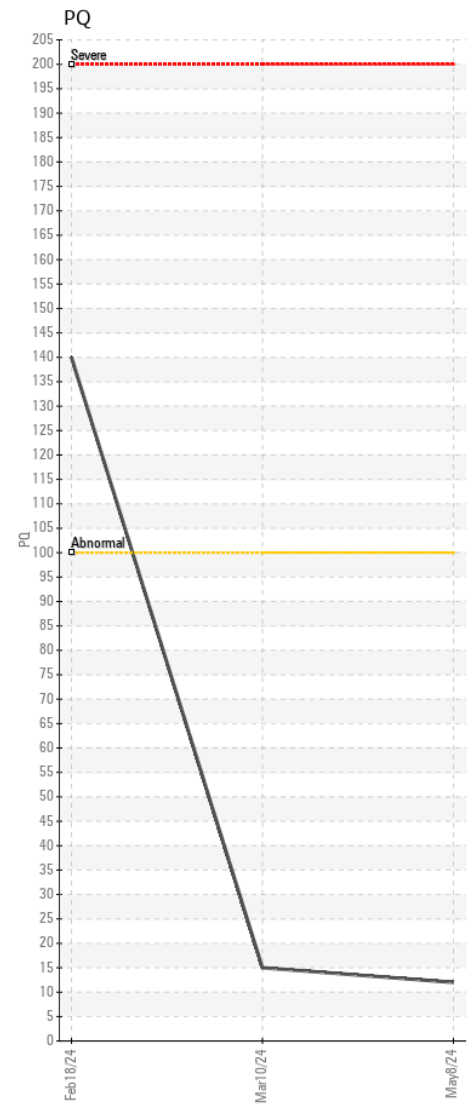
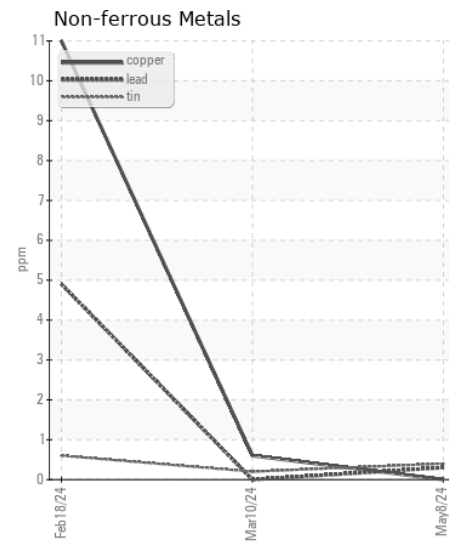
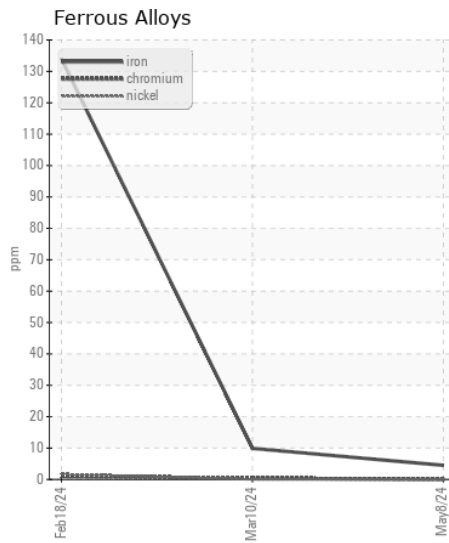
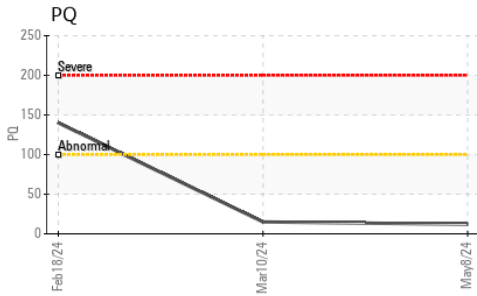
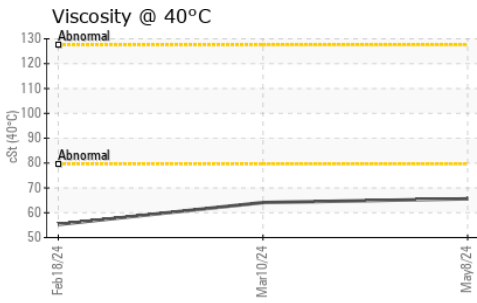
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	6	9	22
Potassium	ppm	ASTM D5185m	>20	0	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	0	0
Boron	ppm	ASTM D5185m		58	54	<1
Barium	ppm	ASTM D5185m		0	0	15
Molybdenum	ppm	ASTM D5185m		46	44	<1
Manganese	ppm	ASTM D5185m		<1	<1	13
Magnesium	ppm	ASTM D5185m		229	227	100
Calcium	ppm	ASTM D5185m		3062	3119	3412
Phosphorus	ppm	ASTM D5185m		1023	1055	1047
Zinc	ppm	ASTM D5185m		1265	1206	1239
Sulfur	ppm	ASTM D5185m		4346	3808	3861
Visc @ 40°C	cSt	ASTM D445		65.6	64.1	55.3



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0213360 **Received** : 09 May 2024
Lab Number : 06174185 **Tested** : 10 May 2024
Unique Number : 11020238 **Diagnosed** : 10 May 2024 - Wes Davis
Test Package : CONST (Additional Tests: PQ)

JRE - GREENSBORO
 411 SOUTH REGIONAL ROAD
 GREENSBORO, NC
 US 27409
 Contact: NICK GALLAHER
 NGALLAHER@JRENET.COM
 T: (336)668-2762
 F: (336)665-9556

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)