



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 410P 1DW410PAVPFB06791

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		JR0220440	JR0206049	JR0192923
Sample Date		Client Info		11 Jul 2024	03 Apr 2024	05 Dec 2023
Machine Age	hrs	Client Info		1532	1049	560
Oil Age	hrs	Client Info		1532	1049	560
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Not Changd	Not Changd
Filter Changed		Client Info		N/A	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		15	20	22
Iron	ppm	ASTM D5185m	>500	0	26	23
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	<1	0
Lead	ppm	ASTM D5185m	>25	0	<1	2
Copper	ppm	ASTM D5185m	>100	0	9	9
Tin	ppm	ASTM D5185m	>10	0	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

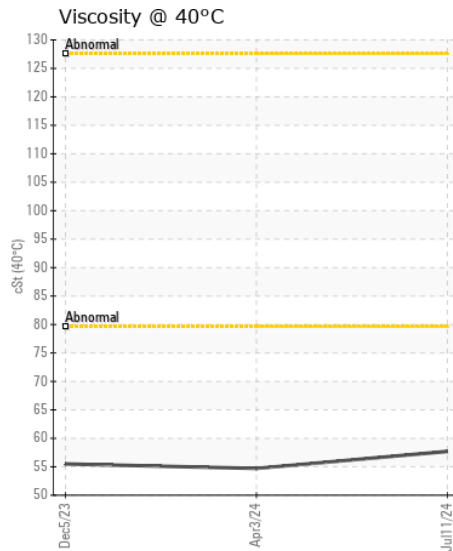
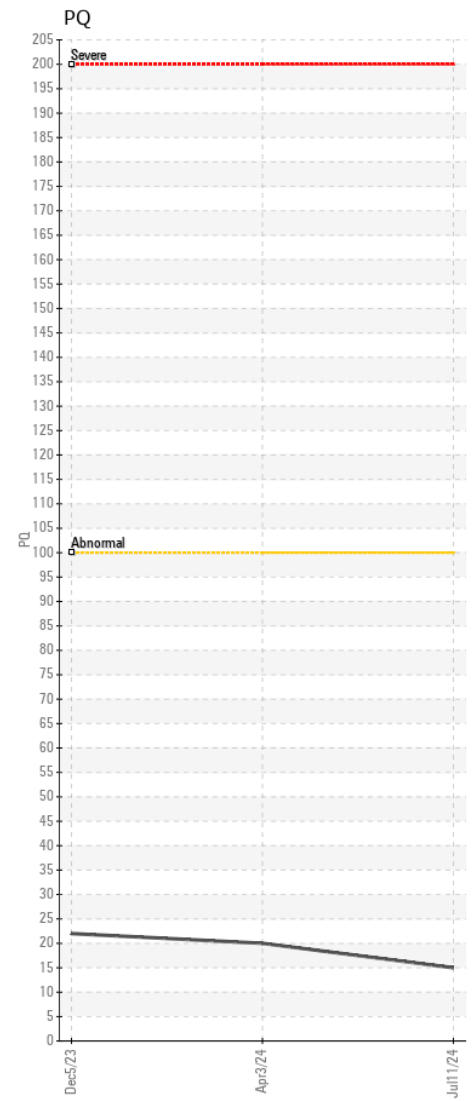
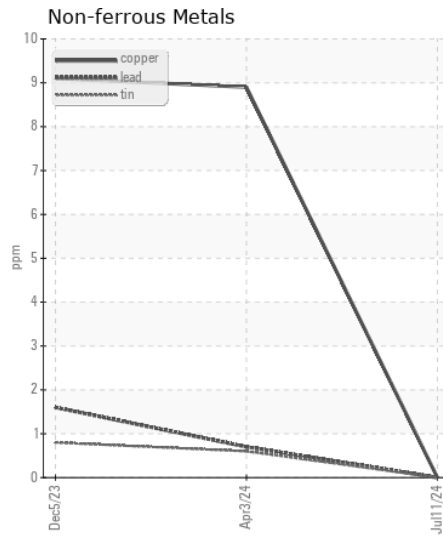
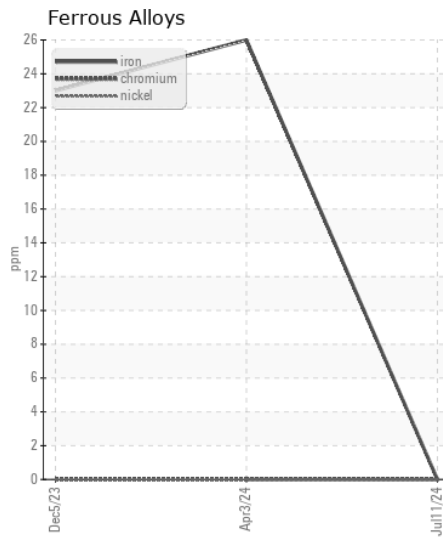
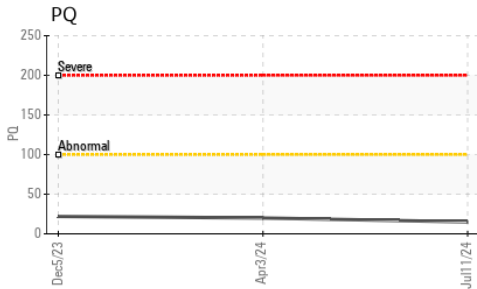
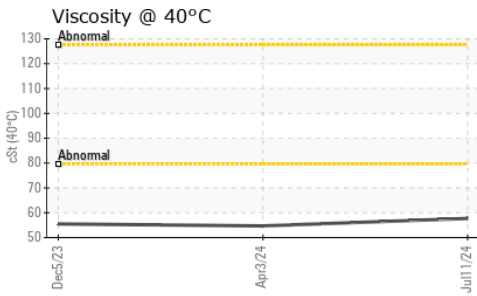
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	4	4	5
Potassium	ppm	ASTM D5185m	>20	0	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	5	4
Boron	ppm	ASTM D5185m		0	<1	1
Barium	ppm	ASTM D5185m		5	3	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	2	3
Magnesium	ppm	ASTM D5185m		102	101	96
Calcium	ppm	ASTM D5185m		3414	3711	3512
Phosphorus	ppm	ASTM D5185m		1022	1067	1033
Zinc	ppm	ASTM D5185m		1205	1279	1196
Sulfur	ppm	ASTM D5185m		4199	4138	3392
Visc @ 40°C	cSt	ASTM D445		57.7	54.7	55.5



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0220440 **Received** : 15 Jul 2024
Lab Number : 06236320 **Tested** : 16 Jul 2024
Unique Number : 11125154 **Diagnosed** : 16 Jul 2024 - Wes Davis
Test Package : CONST (Additional Tests: PQ)

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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