



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 544G 1YN544GAKPLA00129

Component
Right Final Drive

Fluid
JOHN DEERE HY-GARD HYDRAULIC/RANSMISSION (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0220130	JR0206672	JR0189149
Sample Date		Client Info		07 Jul 2024	19 Apr 2024	03 Nov 2023
Machine Age	hrs	Client Info		1518	1136	546
Oil Age	hrs	Client Info		1518	1136	546
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changed	Not Changed	Not Changed
Filter Changed		Client Info		Not Changed	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		14	113	10
Iron	ppm	ASTM D5185m	>500	2	263	0
Chromium	ppm	ASTM D5185m	>10	0	2	0
Nickel	ppm	ASTM D5185m	>10	0	1	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	4	<1
Lead	ppm	ASTM D5185m	>25	0	14	0
Copper	ppm	ASTM D5185m	>50	<1	30	0
Tin	ppm	ASTM D5185m	>10	0	2	0
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

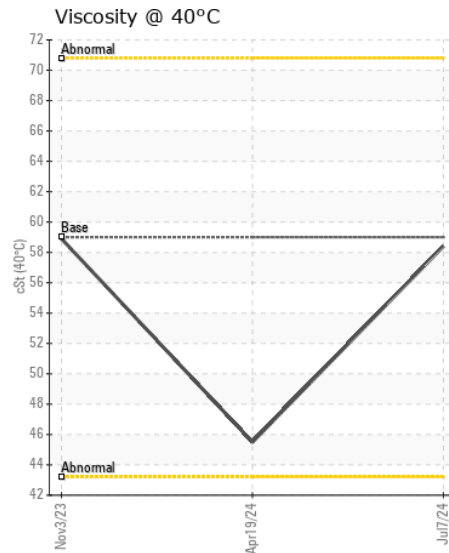
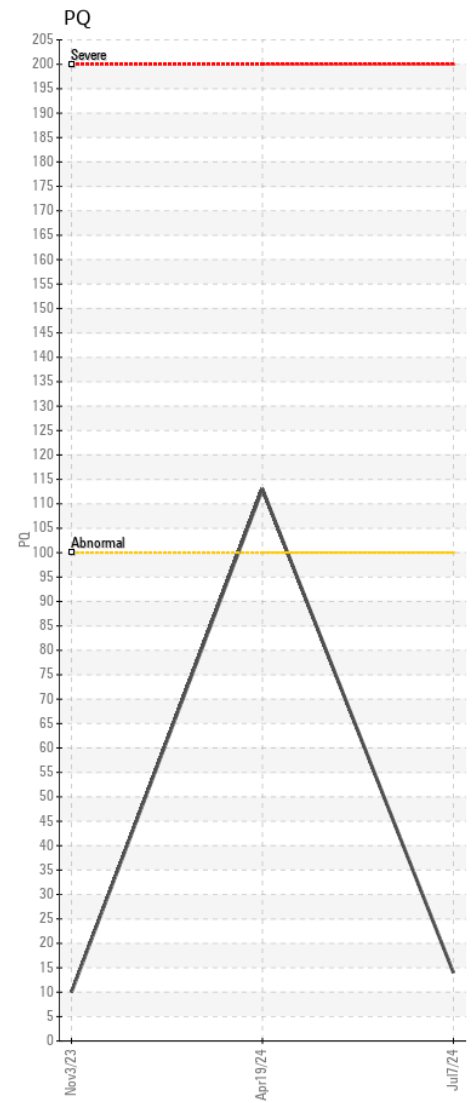
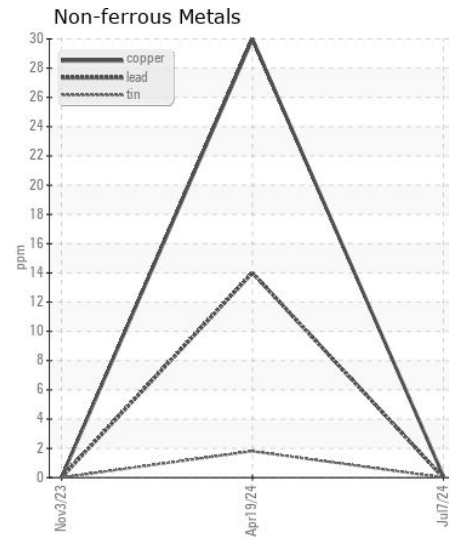
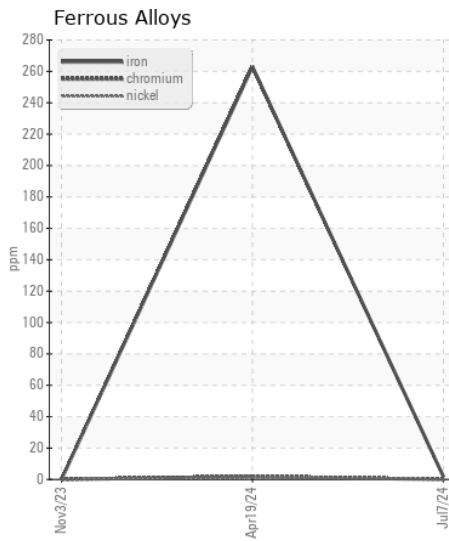
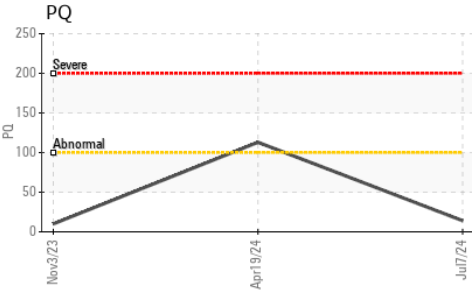
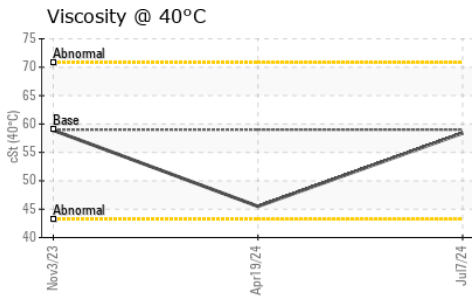
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	4	23	5
Potassium	ppm	ASTM D5185m	>20	<1	4	0
Water		WC Method	>0.2	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	>0.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		1	6	1
Boron	ppm	ASTM D5185m		1	3	1
Barium	ppm	ASTM D5185m		0	6	0
Molybdenum	ppm	ASTM D5185m		<1	4	<1
Manganese	ppm	ASTM D5185m		0	13	0
Magnesium	ppm	ASTM D5185m		105	98	97
Calcium	ppm	ASTM D5185m		3617	3433	3112
Phosphorus	ppm	ASTM D5185m		1123	1025	937
Zinc	ppm	ASTM D5185m		1326	1219	1220
Sulfur	ppm	ASTM D5185m		4415	3733	3551
Visc @ 40°C	cSt	ASTM D445	59	58.4	45.5	58.9



Certificate L2367

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

Sample No. : JR0220130

Lab Number : 06231695

Unique Number : 11115188

Test Package : CONST (Additional Tests: PQ)

Received : 09 Jul 2024

Tested : 10 Jul 2024

Diagnosed : 10 Jul 2024 - Wes Davis

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)

JRE - CHARLOTTE

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