



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
JOHN DEERE 544G 1YN544GAKPLA00129
Component
Left 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		JR0220132	JR0206237	JR0189148
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	>1250	15	110	8
Iron	ppm	ASTM D5185m	>750	<1	258	0
Chromium	ppm	ASTM D5185m	>9	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	>40	<1	4	<1
Lead	ppm	ASTM D5185m	>15	0	14	0
Copper	ppm	ASTM D5185m	>40	0	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

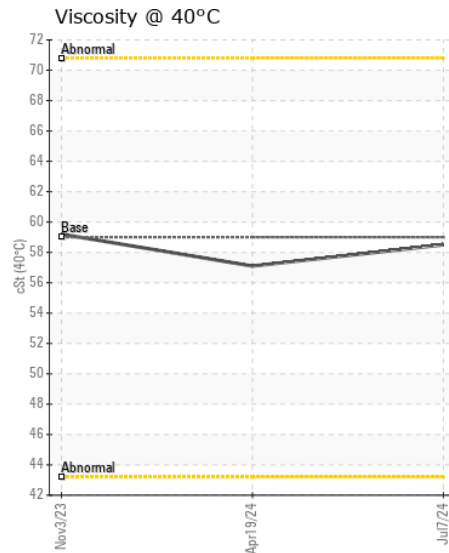
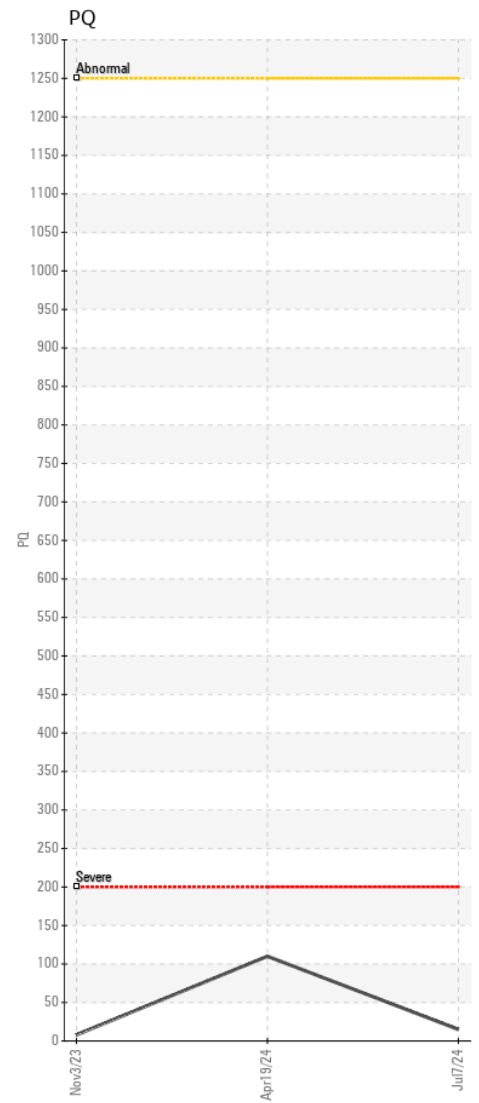
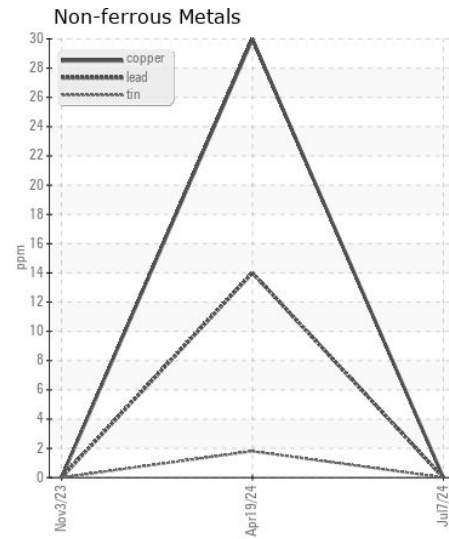
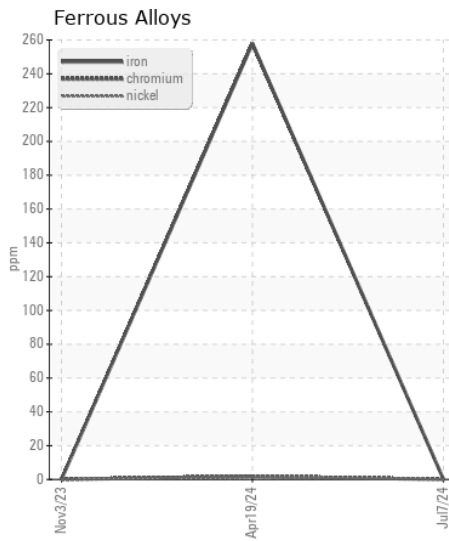
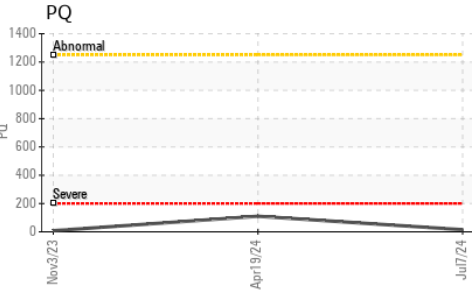
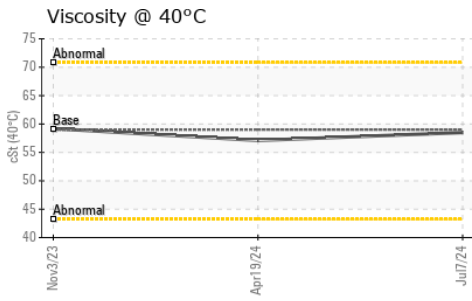
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	4	22	5
Potassium	ppm	ASTM D5185m	>20	0	4	0
Water		WC Method	>0.075	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	>0.075	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	2	6	1
Boron	ppm	ASTM D5185m		0	3	4
Barium	ppm	ASTM D5185m		0	6	0
Molybdenum	ppm	ASTM D5185m		0	4	3
Manganese	ppm	ASTM D5185m		0	13	0
Magnesium	ppm	ASTM D5185m		98	98	109
Calcium	ppm	ASTM D5185m		3481	3435	3141
Phosphorus	ppm	ASTM D5185m		1038	1027	915
Zinc	ppm	ASTM D5185m		1208	1224	1233
Sulfur	ppm	ASTM D5185m		3941	3799	3381
Visc @ 40°C	cSt	ASTM D445	59	58.5	57.1	59.2



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0220132 **Received** : 09 Jul 2024
Lab Number : 06231699 **Tested** : 10 Jul 2024
Unique Number : 11115192 **Diagnosed** : 10 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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