



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 544L 1DW544LZKKF699729

Component
Rear Axle

Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0222204	JR0186709	JR0153008
Sample Date		Client Info		07 Jul 2024	08 Oct 2023	20 Dec 2022
Machine Age	hrs	Client Info		4673	4236	3524
Oil Age	hrs	Client Info		437	4236	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Not Changd
Filter Changed		Client Info		N/A	N/A	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		48	154	6
Iron	ppm	ASTM D5185m	>750	187	957	2
Chromium	ppm	ASTM D5185m	>11	<1	4	<1
Nickel	ppm	ASTM D5185m	>10	1	13	<1
Titanium	ppm	ASTM D5185m		<1	1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>21	1	0	1
Lead	ppm	ASTM D5185m	>49	<1	8	<1
Copper	ppm	ASTM D5185m	>101	14	84	0
Tin	ppm	ASTM D5185m	>10	<1	19	2
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	MODER	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

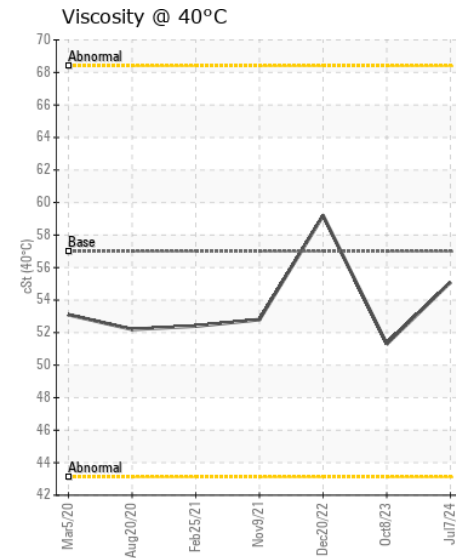
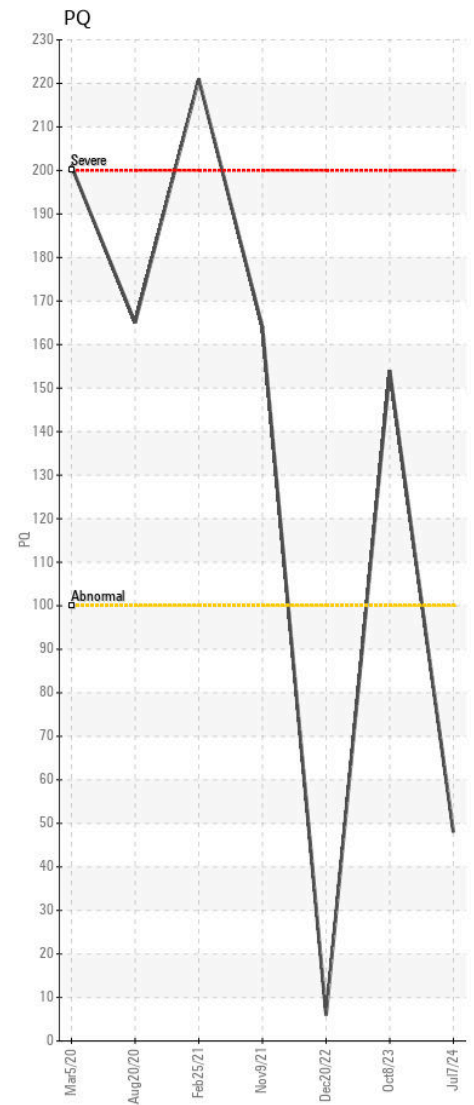
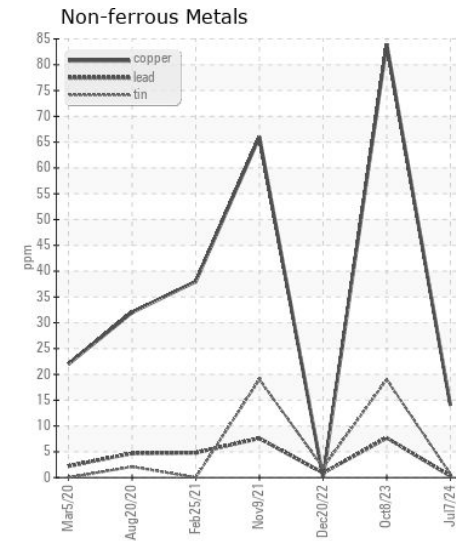
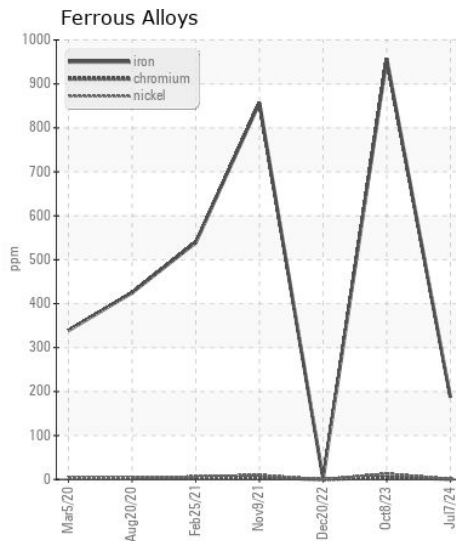
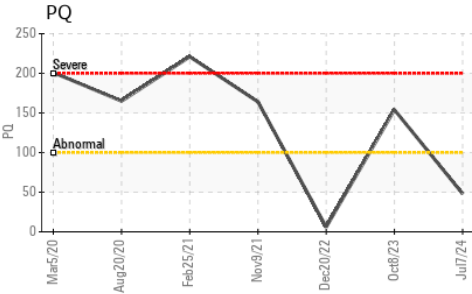
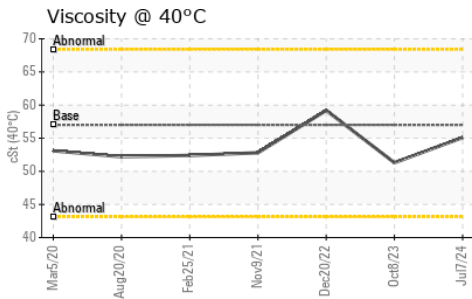
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	13	43	6
Potassium	ppm	ASTM D5185m	>20	<1	6	0
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	LIGHT	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	VLITE
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	>0.1	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	4	10	<1
Boron	ppm	ASTM D5185m	6	1	8	2
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	<1	4	1
Manganese	ppm	ASTM D5185m		3	18	<1
Magnesium	ppm	ASTM D5185m	145	93	98	104
Calcium	ppm	ASTM D5185m	3570	3250	3300	3599
Phosphorus	ppm	ASTM D5185m	1290	1030	1022	1061
Zinc	ppm	ASTM D5185m	1640	1127	1140	1300
Sulfur	ppm	ASTM D5185m		4028	4002	4110
Visc @ 40°C	cSt	ASTM D445	57.0	55.1	51.3	59.2



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0222204 **Received** : 10 Jul 2024
Lab Number : 06232496 **Tested** : 11 Jul 2024
Unique Number : 11115989 **Diagnosed** : 12 Jul 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

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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)