



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

[47826]

Machine Id

JOHN DEERE 744L 1DW744LXTMF709490

Component

Front Differential

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		JR0225471	JR0192348	JR0153454
Sample Date		Client Info		05 Jul 2024	23 Oct 2023	04 Nov 2022
Machine Age	hrs	Client Info		2972	2576	1970
Oil Age	hrs	Client Info		2366	606	0
Filter Age	hrs	Client Info		0	606	0
Oil Changed		Client Info		Not Changed	Not Changed	Changed
Filter Changed		Client Info		Changed	Not Changed	Changed
Sample Status				NORMAL	NORMAL	ABNORMAL

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		17	11	16
Iron	ppm	ASTM D5185m	>500	31	24	39
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	<1
Aluminum	ppm	ASTM D5185m	>25	<1	<1	<1
Lead	ppm	ASTM D5185m	>25	6	5	15
Copper	ppm	ASTM D5185m	>100	71	40	▲ 118
Tin	ppm	ASTM D5185m	>10	0	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	VLITE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

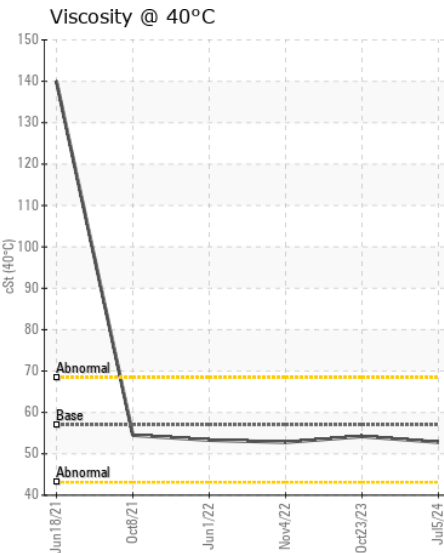
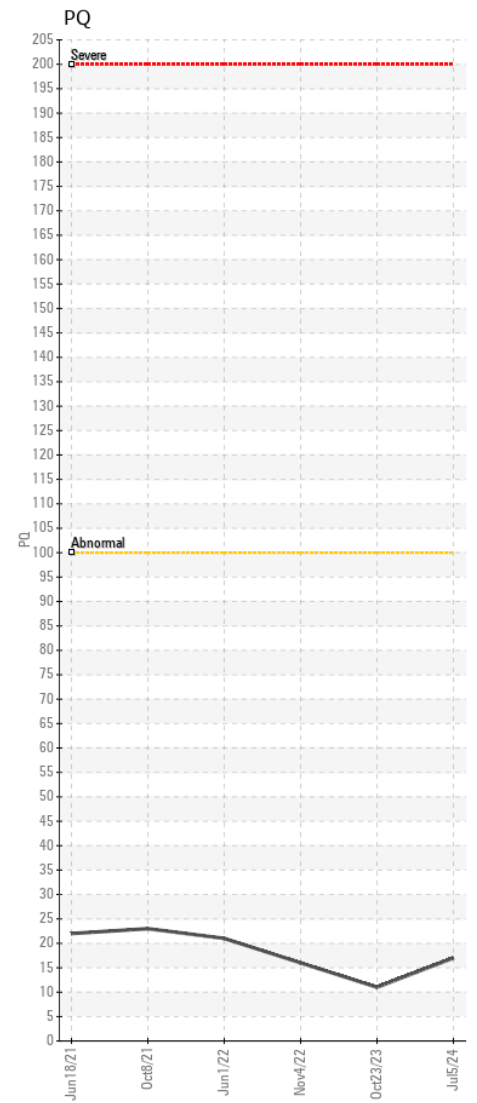
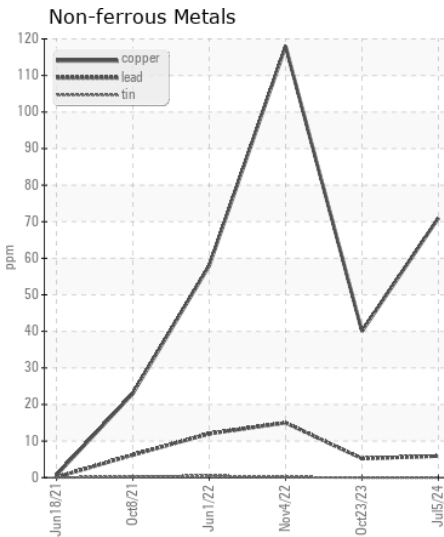
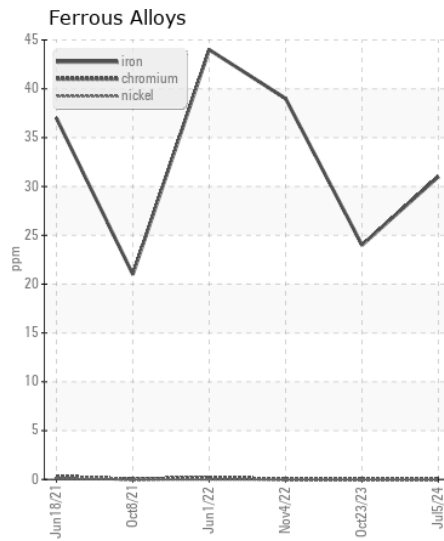
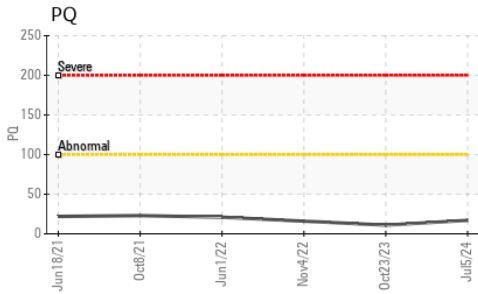
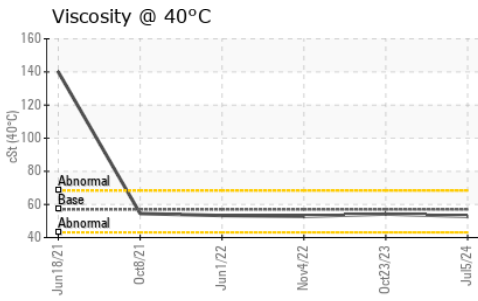
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	4	4	3
Potassium	ppm	ASTM D5185m	>20	<1	0	3
Water		WC Method	>.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	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	>.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		3	<1	0
Boron	ppm	ASTM D5185m	6	11	14	4
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	9	9	3
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	145	116	120	110
Calcium	ppm	ASTM D5185m	3570	3304	3216	3652
Phosphorus	ppm	ASTM D5185m	1290	1030	1015	1049
Zinc	ppm	ASTM D5185m	1640	1154	1192	1281
Sulfur	ppm	ASTM D5185m		3930	3564	4392
Visc @ 40°C	cSt	ASTM D445	57.0	52.8	54.2	52.8



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0225471 **Received** : 09 Jul 2024
Lab Number : 06231758 **Tested** : 10 Jul 2024
Unique Number : 11115251 **Diagnosed** : 10 Jul 2024 - Wes Davis
Test Package : CONST (Additional Tests: PQ)

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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