



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
JOHN DEERE 824K 1DW824KXCDE653624
Component
Transmission
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		JR0212041	JRMC452845	JRMC441823
Sample Date		Client Info		28 Jun 2024	11 Sep 2018	12 Sep 2017
Machine Age	hrs	Client Info		0	5923	4119
Oil Age	hrs	Client Info		59	0	0
Filter Age	hrs	Client Info		59	0	0
Oil Changed		Client Info		Not Changed	Changed	Not Changed
Filter Changed		Client Info		Not Changed	Changed	Changed
Sample Status				NORMAL	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>100	19	22	33
Iron	ppm	ASTM D5185m	>61	13	▲ 99	▲ 80
Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
Nickel	ppm	ASTM D5185m		<1	0	<1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		<1	<1	<1
Aluminum	ppm	ASTM D5185m	>20	2	1	2
Lead	ppm	ASTM D5185m	>9	<1	0	0
Copper	ppm	ASTM D5185m	>100	46	38	19
Tin	ppm	ASTM D5185m	>3	<1	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

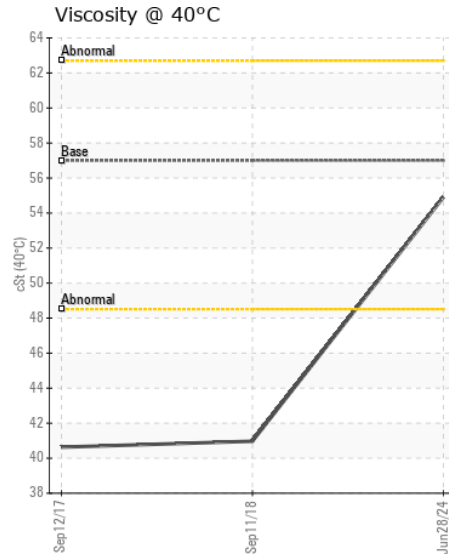
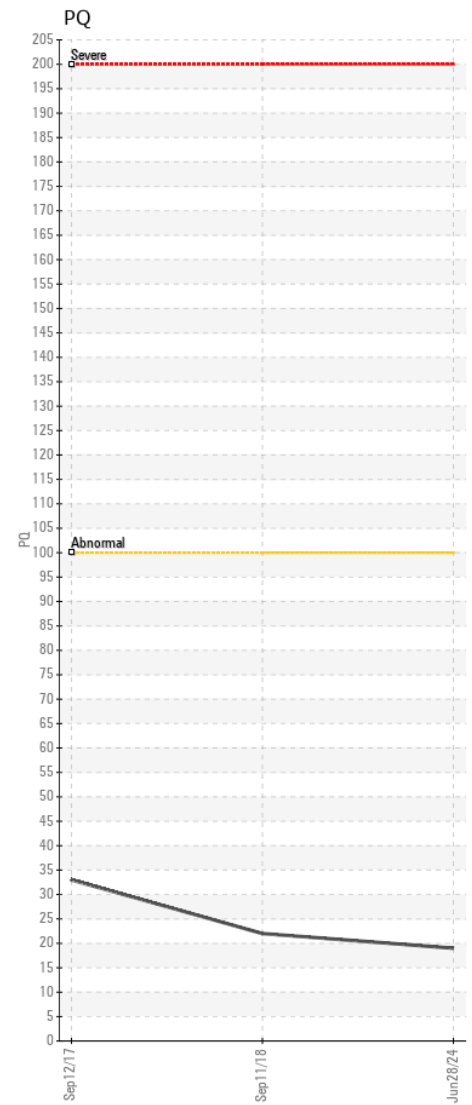
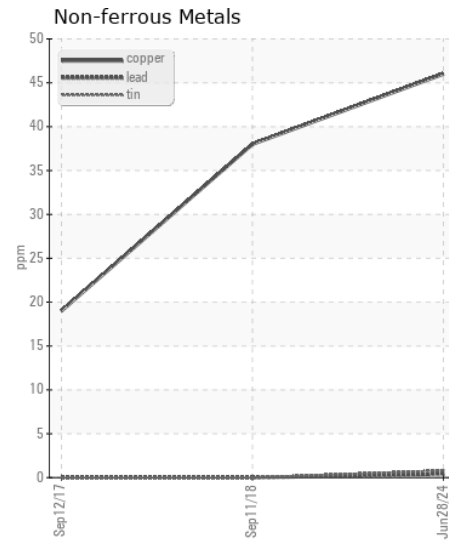
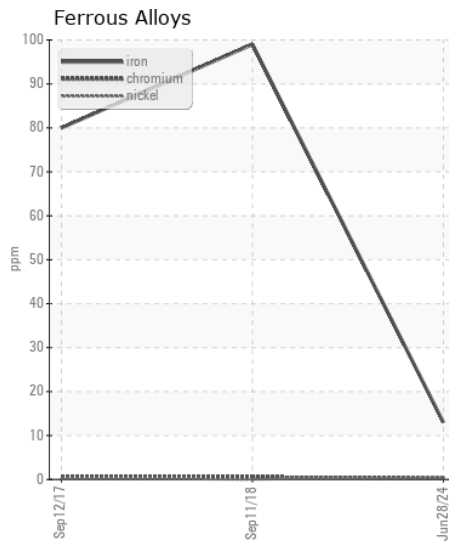
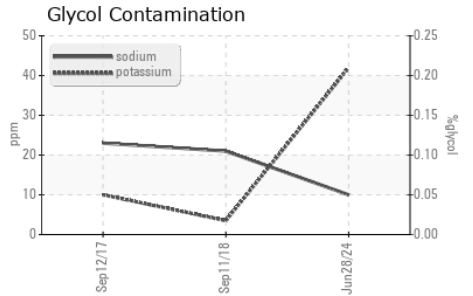
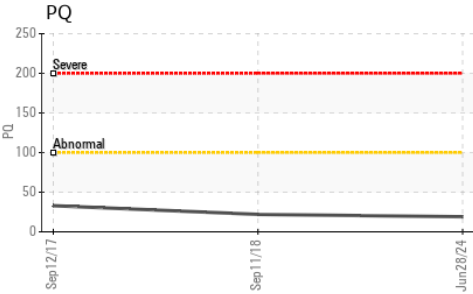
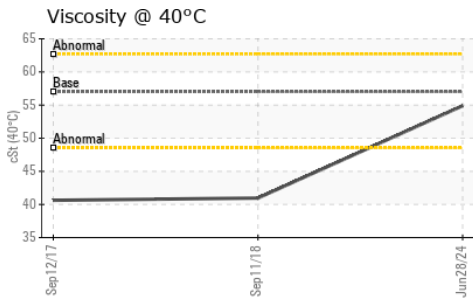
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>21	6	22	21
Potassium	ppm	ASTM D5185m	>20	42	4	10
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 fluid is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>30	10	21	23
Boron	ppm	ASTM D5185m	6	4	1	1
Barium	ppm	ASTM D5185m	0	0	<1	<1
Molybdenum	ppm	ASTM D5185m	0	2	<1	0
Manganese	ppm	ASTM D5185m		<1	1	1
Magnesium	ppm	ASTM D5185m	145	79	80	81
Calcium	ppm	ASTM D5185m	3570	3123	3274	3311
Phosphorus	ppm	ASTM D5185m	1290	992	993	1041
Zinc	ppm	ASTM D5185m	1640	1183	1231	1248
Sulfur	ppm	ASTM D5185m		3583	3378	3530
Visc @ 40°C	cSt	ASTM D445	57.0	54.9	40.97	40.63



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0212041 **Received** : 01 Jul 2024
Lab Number : 06224716 **Tested** : 02 Jul 2024
Unique Number : 11102913 **Diagnosed** : 02 Jul 2024 - Don Baldrige
Test Package : CONST (Additional Tests: Glycol, 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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