



WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL



Machine Id
JOHN DEERE 624K 1DW624KZLJF687274
Component
Transmission (Manual)
Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- GAL)

RECOMMENDATION

We advise that you check for the source of water entry. We advise that you follow the water drain-off procedure for this component. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

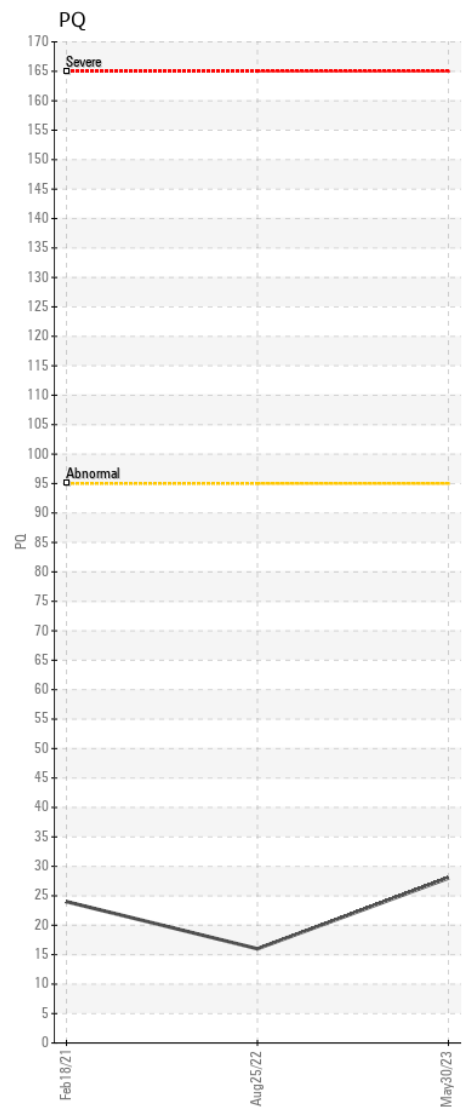
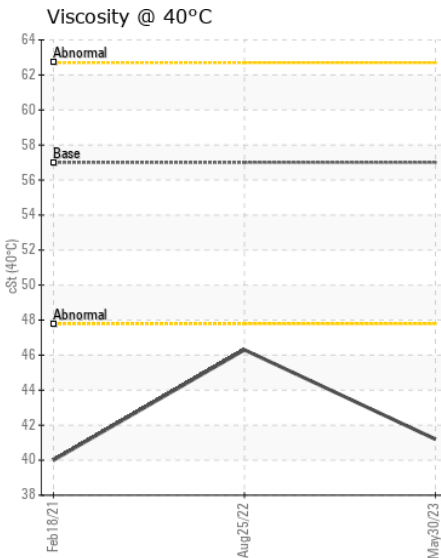
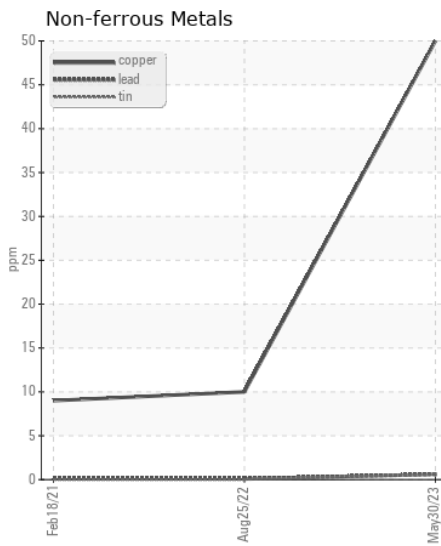
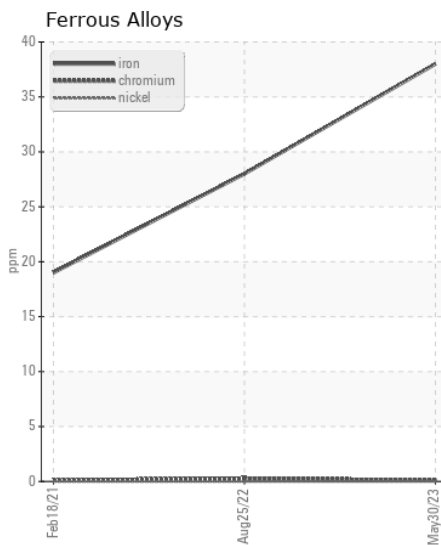
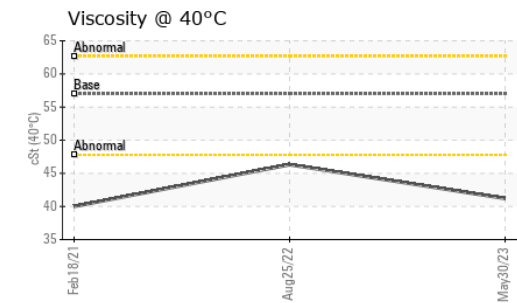
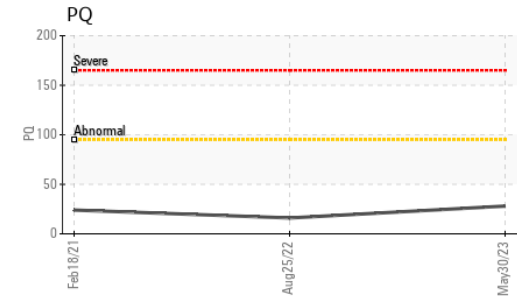
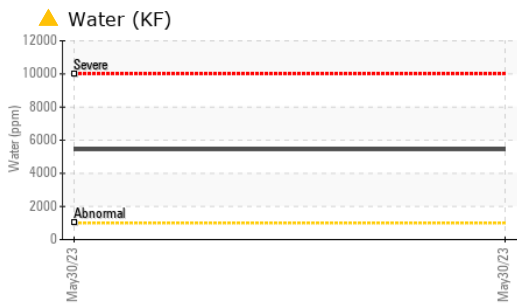
CONTAMINATION

There is a moderate concentration of water present in the fluid. Free water present.

FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0175046	JR0139065	JR0079884
Sample Date		Client Info		30 May 2023	25 Aug 2022	18 Feb 2021
Machine Age	hrs	Client Info		1587	985	387
Oil Age	hrs	Client Info		1587	0	387
Filter Age	hrs	Client Info		1587	0	387
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				ABNORMAL	NORMAL	NORMAL
PQ		ASTM D8184	>95	28	16	24
Iron	ppm	ASTM D5185m	>200	38	28	19
Chromium	ppm	ASTM D5185m	>5	<1	<1	<1
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>7	<1	<1	<1
Aluminum	ppm	ASTM D5185m	>25	<1	2	0
Lead	ppm	ASTM D5185m	>45	<1	<1	<1
Copper	ppm	ASTM D5185m	>225	50	10	9
Tin	ppm	ASTM D5185m	>10	<1	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>125	17	14	10
Potassium	ppm	ASTM D5185m	>20	4	2	2
Water	%	ASTM D6304	>0.1	▲ 0.544	---	---
ppm Water	ppm	ASTM D6304	>1000	▲ 5440	---	---
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	▲ HAZY	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	▲ 0.2%	NEG	NEG
Sodium	ppm	ASTM D5185m		177	17	17
Boron	ppm	ASTM D5185m	6	32	59	60
Barium	ppm	ASTM D5185m	0	0	<1	0
Molybdenum	ppm	ASTM D5185m	0	8	<1	<1
Manganese	ppm	ASTM D5185m		2	<1	<1
Magnesium	ppm	ASTM D5185m	145	16	53	58
Calcium	ppm	ASTM D5185m	3570	659	2115	2138
Phosphorus	ppm	ASTM D5185m	1290	605	772	779
Zinc	ppm	ASTM D5185m	1640	400	864	826
Sulfur	ppm	ASTM D5185m		2642	2686	2362
Visc @ 40°C	cSt	ASTM D445	57.0	41.2	46.3	40.0



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0175046 **Received** : 01 Jun 2023
Lab Number : 05862065 **Diagnosed** : 03 Jun 2023
Unique Number : 10496530 **Diagnostician** : Don Baldrige
Test Package : CONST (Additional Tests: KF, 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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