



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area

[W8904]

Machine Id

JOHN DEERE 624K C137436 (S/N 1DW624KZJCD642523)

Component

Transmission (Manual)

Fluid

JOHN DEERE HY-GARD HYD/TRANS (22 QTS)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: W8904)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0196861	JR0183151	JR0141196
Sample Date		Client Info		20 Jun 2024	04 Dec 2023	13 May 2023
Machine Age	hrs	Client Info		14187	13166	11693
Oil Age	hrs	Client Info		14187	13166	3693
Filter Age	hrs	Client Info		0	0	3693
Oil Changed		Client Info		Not Changed	Not Changed	Not Changed
Filter Changed		Client Info		Changed	Not Changed	Not Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>95	22	18	21
Iron	ppm	ASTM D5185m	>200	79	76	78
Chromium	ppm	ASTM D5185m	>5	<1	<1	<1
Nickel	ppm	ASTM D5185m	>5	<1	<1	<1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>7	<1	<1	<1
Aluminum	ppm	ASTM D5185m	>25	2	1	<1
Lead	ppm	ASTM D5185m	>45	2	0	0
Copper	ppm	ASTM D5185m	>225	6	6	5
Tin	ppm	ASTM D5185m	>10	<1	0	1
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

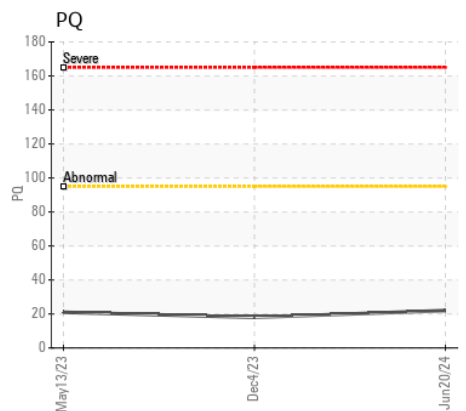
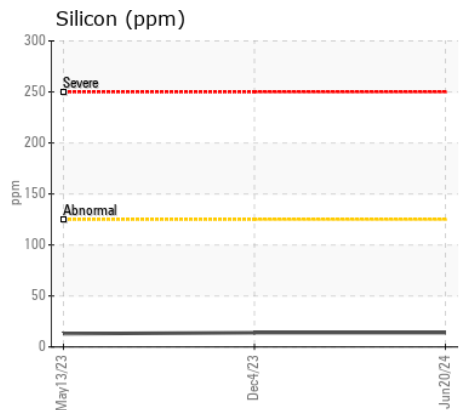
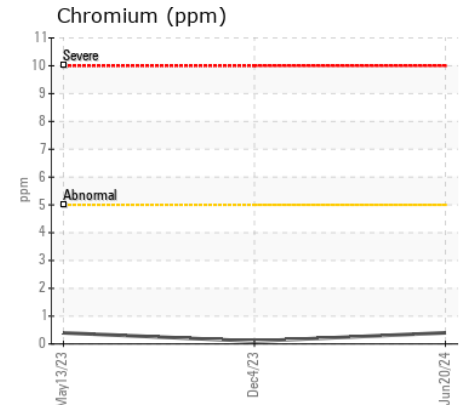
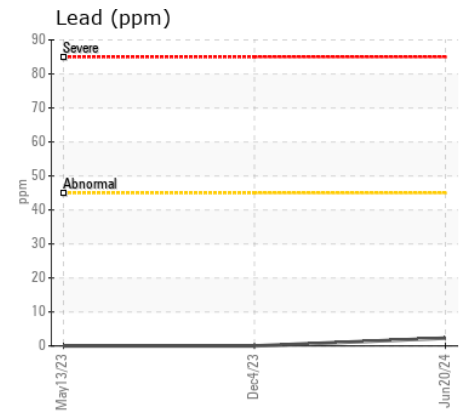
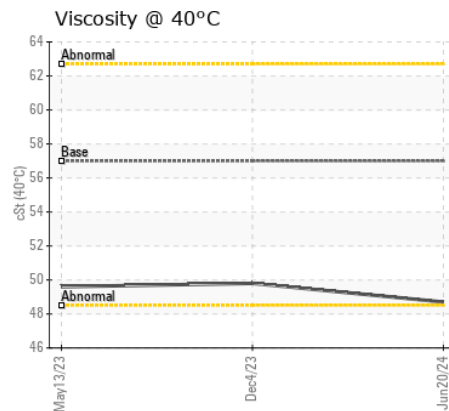
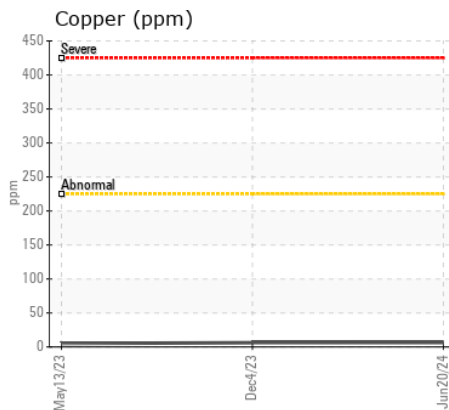
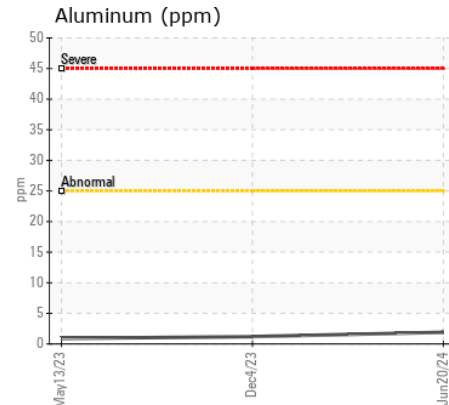
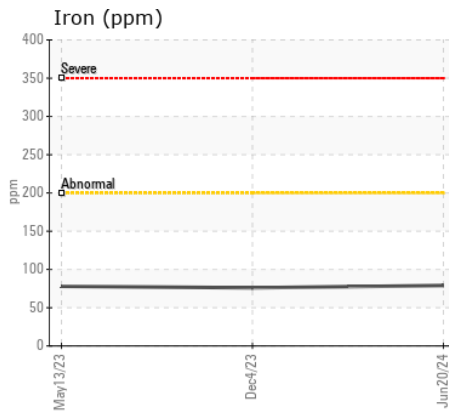
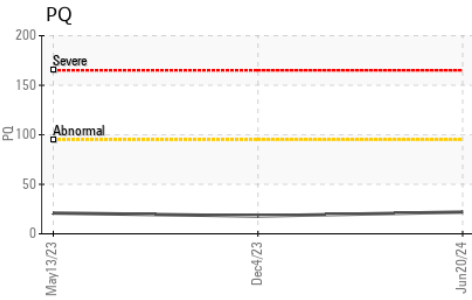
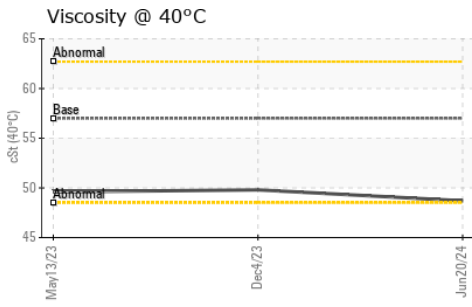
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>125	14	14	13
Potassium	ppm	ASTM D5185m	>20	5	2	2
Water		WC Method	>0.1	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	>0.1	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		7	7	7
Boron	ppm	ASTM D5185m	6	2	1	2
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	<1	0	<1
Manganese	ppm	ASTM D5185m		3	2	2
Magnesium	ppm	ASTM D5185m	145	84	77	82
Calcium	ppm	ASTM D5185m	3570	3622	3289	3326
Phosphorus	ppm	ASTM D5185m	1290	1182	1081	1038
Zinc	ppm	ASTM D5185m	1640	1381	1251	1237
Sulfur	ppm	ASTM D5185m		4632	3655	4214
Visc @ 40°C	cSt	ASTM D445	57.0	48.7	49.8	49.6



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0196861 **Received** : 24 Jun 2024
Lab Number : 06218436 **Tested** : 25 Jun 2024
Unique Number : 11096633 **Diagnosed** : 25 Jun 2024 - Sean Felton
Test Package : MOBCE (Additional Tests: PQ)

JRE - HOPE MILLS/FAYETTEVILLE
 5039 HWY 301 SOUTH
 HOPE MILLS, NC
 US 28348
 Contact: FAYETTEVILLE SHOP
 stephen.mullis@jamesriverequipment.com; panastasio@wearcheck.com
 T:
 F:

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)