

Machine Id
JOHN DEERE 8310R 741242 (S/N 1RW8310RNB207007)
Component
Transmission (Manual)
Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- QTS)

RECOMMENDATION

No corrective action is recommended at this time. The fluid change at the time of sampling has been noted. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

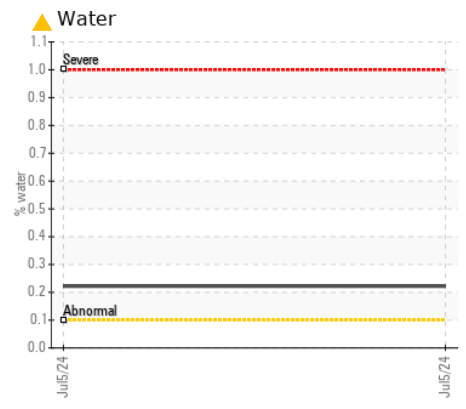
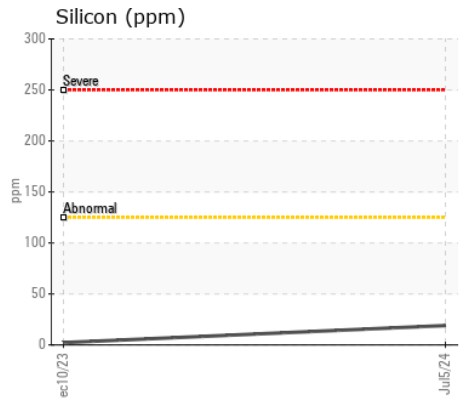
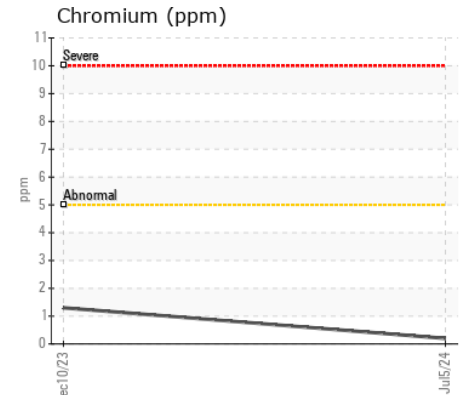
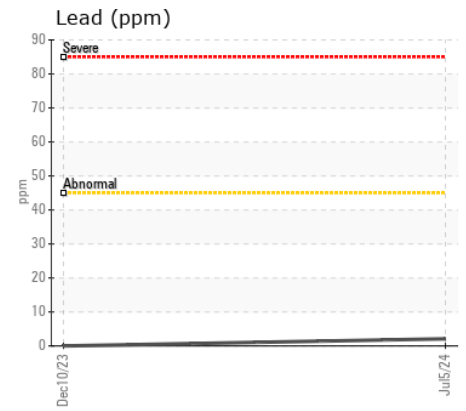
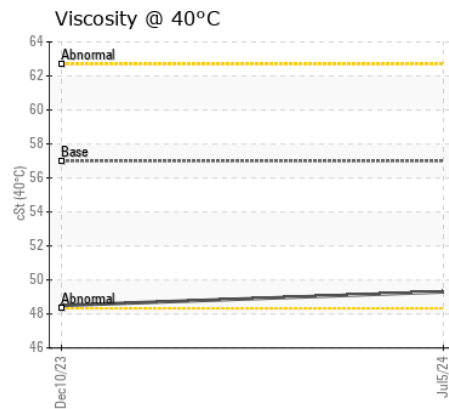
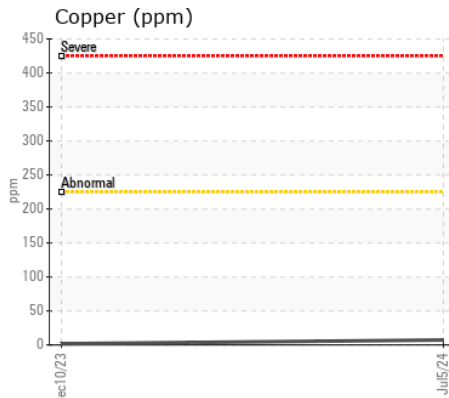
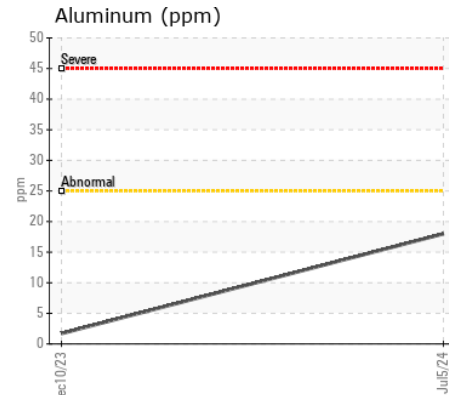
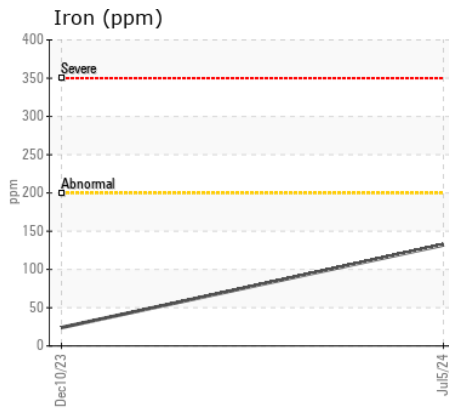
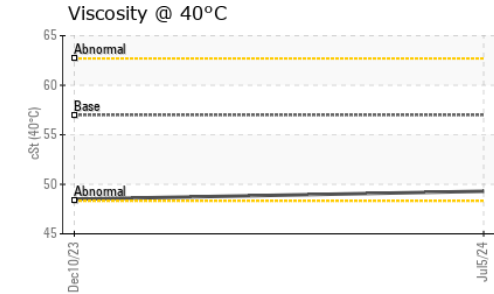
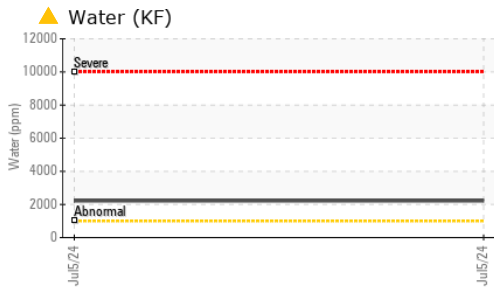
CONTAMINATION

There is a light concentration of water present in the fluid.

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		PCA0122137	PCA0100979	---
Sample Date		Client Info		05 Jul 2024	10 Dec 2023	---
Machine Age	hrs	Client Info		842	692	---
Oil Age	hrs	Client Info		842	692	---
Filter Age	hrs	Client Info		842	692	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Not Changed	Changed	---
Sample Status				ABNORMAL	NORMAL	---
Iron	ppm	ASTM D5185m	>200	132	24	---
Chromium	ppm	ASTM D5185m	>5	<1	1	---
Nickel	ppm	ASTM D5185m	>5	0	0	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m	>7	0	0	---
Aluminum	ppm	ASTM D5185m	>25	18	2	---
Lead	ppm	ASTM D5185m	>45	2	0	---
Copper	ppm	ASTM D5185m	>225	7	2	---
Tin	ppm	ASTM D5185m	>10	<1	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m	>125	19	2	---
Potassium	ppm	ASTM D5185m	>20	2	0	---
Water	%	ASTM D6304	>0.1	▲ 0.222	---	---
ppm Water	ppm	ASTM D6304	>1000	▲ 2220	---	---
Silt	scalar	*Visual	NONE	NONE	LIGHT	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	HAZY	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	0.2%	NEG	---
Sodium	ppm	ASTM D5185m		27	0	---
Boron	ppm	ASTM D5185m	6	11	8	---
Barium	ppm	ASTM D5185m	0	2	7	---
Molybdenum	ppm	ASTM D5185m	0	<1	0	---
Manganese	ppm	ASTM D5185m		3	0	---
Magnesium	ppm	ASTM D5185m	145	60	72	---
Calcium	ppm	ASTM D5185m	3570	2670	3498	---
Phosphorus	ppm	ASTM D5185m	1290	987	1079	---
Zinc	ppm	ASTM D5185m	1640	1065	1247	---
Sulfur	ppm	ASTM D5185m		3928	4326	---
Visc @ 40°C	cSt	ASTM D445	57.0	49.3	48.5	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0122137 **Received** : 17 Jul 2024
Lab Number : 06239517 **Tested** : 18 Jul 2024
Unique Number : 11128351 **Diagnosed** : 19 Jul 2024 - Sean Felton
Test Package : MOB 1 (Additional Tests: KF)

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)

SYNAGRO
 284 BOGER RD
 MOCKSVILLE, NC
 US 27028

Contact: ROGER AMICK
 ramick@synagro.com

T: (336)998-7150
 F: (336)998-2155