



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
Store 2 - Beaver [RO#130948]
Machine Id
JOHN DEERE 310G T0310GX949926
Component
Transmission (Manual)
Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0032514	LEC0022538	---
Sample Date		Client Info		15 Aug 2022	02 Aug 2021	---
Machine Age	hrs	Client Info		2614	2371	---
Oil Age	hrs	Client Info		2614	2371	---
Filter Age	hrs	Client Info		2614	2371	---
Oil Changed		Client Info		Not Changd	Not Changd	---
Filter Changed		Client Info		Not Changd	Not Changd	---
Sample Status				ABNORMAL	ABNORMAL	---

WEAR

The copper level is abnormal. All other metal levels are typical for a new component breaking in.

PQ		ASTM D8184	>95	17	30	---
Iron	ppm	ASTM D5185m	>200	62	64	---
Chromium	ppm	ASTM D5185m	>5	<1	<1	---
Nickel	ppm	ASTM D5185m	>5	0	<1	---
Titanium	ppm	ASTM D5185m		0	0	---
Silver	ppm	ASTM D5185m	>7	3	2	---
Aluminum	ppm	ASTM D5185m	>25	2	0	---
Lead	ppm	ASTM D5185m	>45	17	19	---
Copper	ppm	ASTM D5185m	>225	▲ 295	▲ 308	---
Tin	ppm	ASTM D5185m	>10	4	5	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	VLITE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

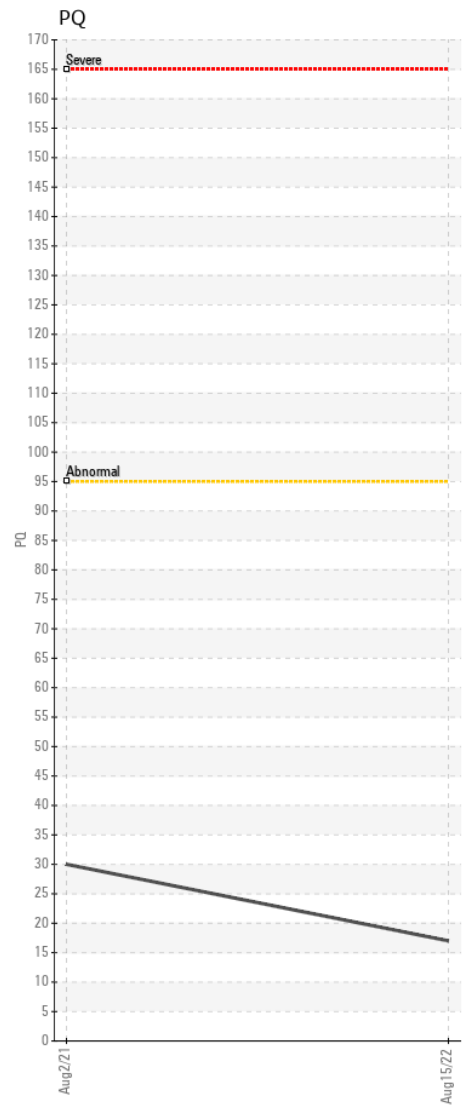
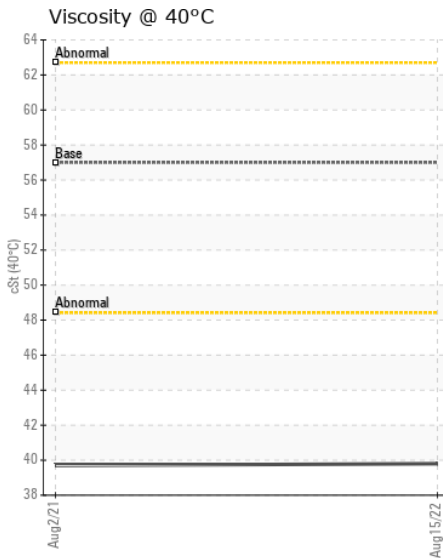
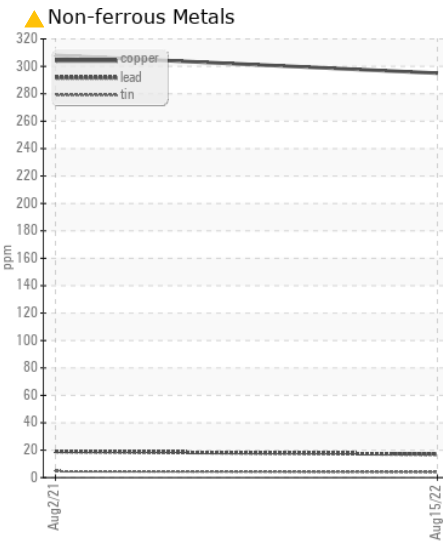
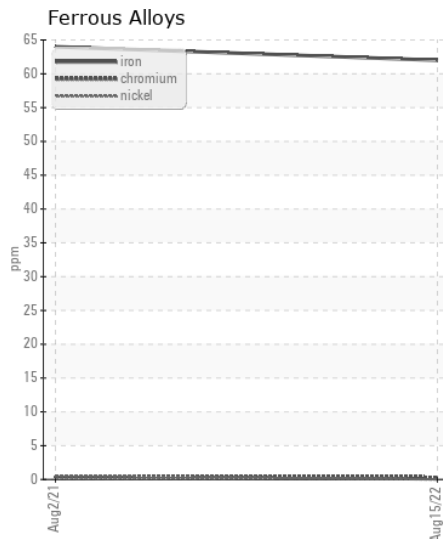
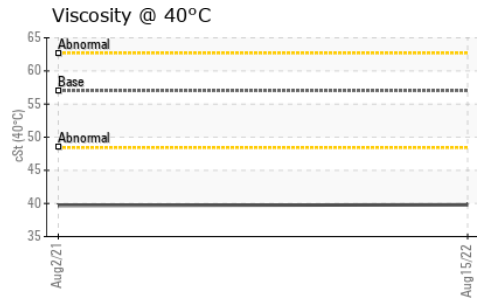
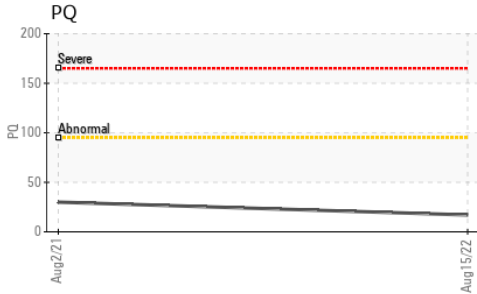
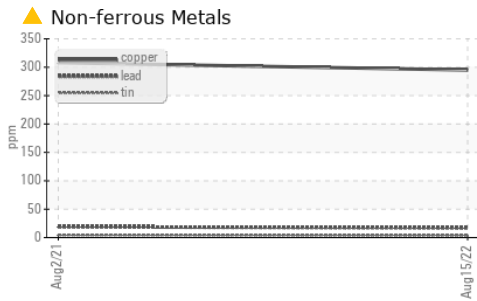
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>125	4	3	---
Potassium	ppm	ASTM D5185m	>20	0	4	---
Water		WC Method	>0.1	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		3	3	---
Boron	ppm	ASTM D5185m	6	0	11	---
Barium	ppm	ASTM D5185m	0	1	0	---
Molybdenum	ppm	ASTM D5185m	0	1	5	---
Manganese	ppm	ASTM D5185m		2	2	---
Magnesium	ppm	ASTM D5185m	145	73	94	---
Calcium	ppm	ASTM D5185m	3570	2769	3186	---
Phosphorus	ppm	ASTM D5185m	1290	781	938	---
Zinc	ppm	ASTM D5185m	1640	1028	1164	---
Sulfur	ppm	ASTM D5185m		3248	3233	---
Visc @ 40°C	cSt	ASTM D445	57.0	39.8	39.7	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0032514 **Received** : 17 Aug 2022
Lab Number : 05619712 **Tested** : 18 Aug 2022
Unique Number : 10099219 **Diagnosed** : 18 Aug 2022 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

LESLIE EQUIPMENT COMPANY
 105 TENNIS CENTER DR.
 MARIETTA, OH
 US 45750-9765
 Contact: LEANNE KENDALL
 KendalLeanne@lec1.com

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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