



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION



Area
Store 2 - Beaver [RO#152712]
Machine Id
JOHN DEERE 210G 1FF210GXCHF525223
Component
Swing Drive
Fluid
JOHN DEERE HY-GARD HYD/TRANS (2 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0051313	LECP185762	---
Sample Date		Client Info		09 Jul 2024	12 Sep 2018	---
Machine Age	hrs	Client Info		4051	374	---
Oil Age	hrs	Client Info		4051	374	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Not Changd	Not Changd	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				ATTENTION	ATTENTION	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184		56	41	---
Iron	ppm	ASTM D5185m	>151	210	120	---
Chromium	ppm	ASTM D5185m	>11	2	2	---
Nickel	ppm	ASTM D5185m	>10	0	0	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m		<1	0	---
Aluminum	ppm	ASTM D5185m	>21	2	<1	---
Lead	ppm	ASTM D5185m	>51	0	<1	---
Copper	ppm	ASTM D5185m	>51	1	<1	---
Tin	ppm	ASTM D5185m	>10	0	0	---
Vanadium	ppm	ASTM D5185m		<1	<1	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

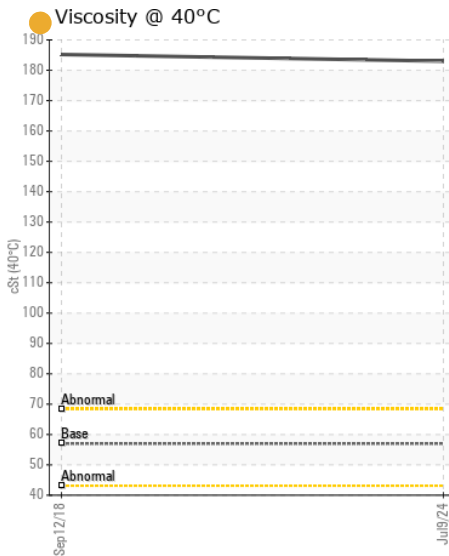
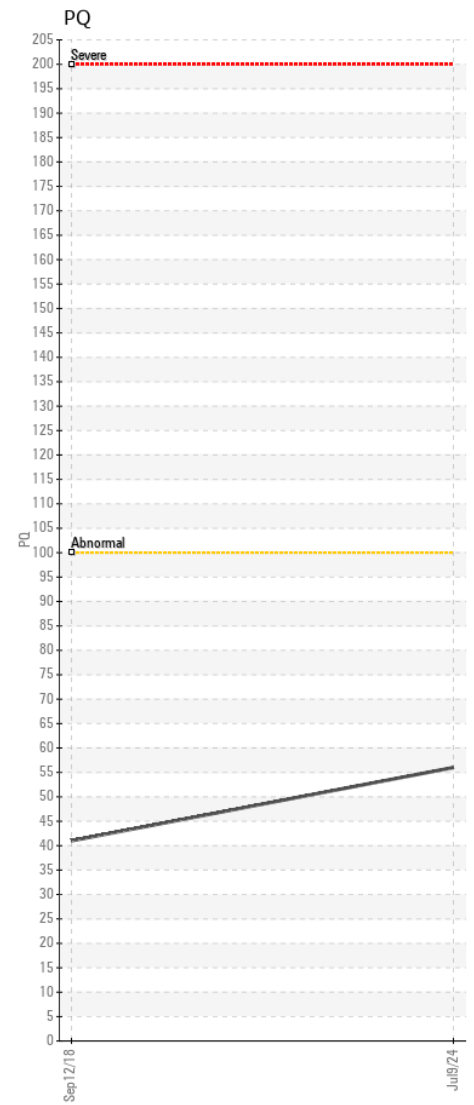
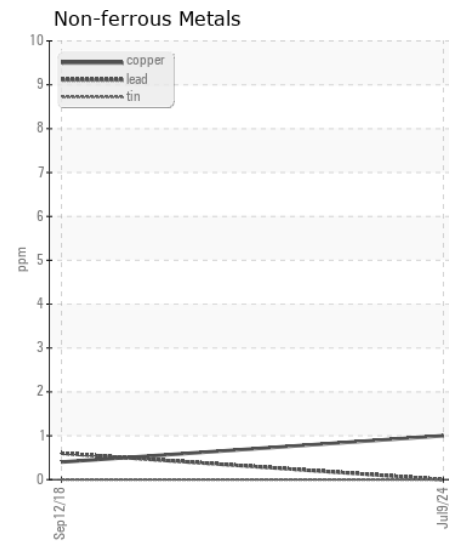
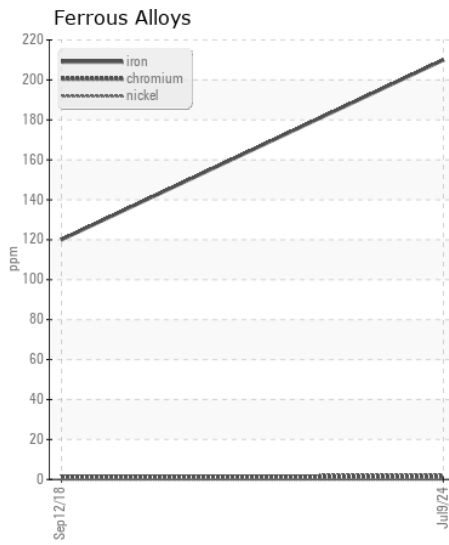
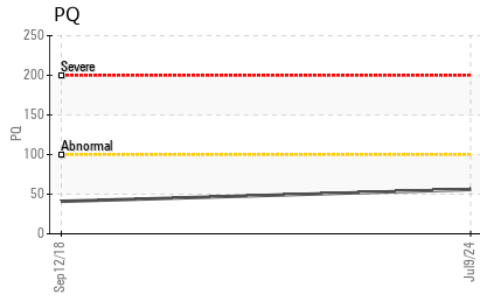
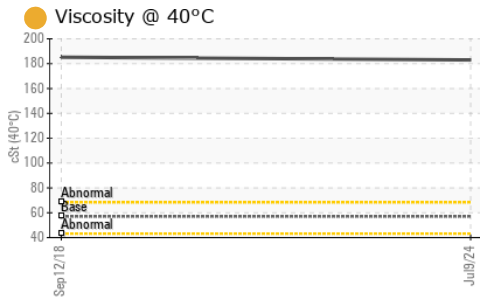
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	19	16	---
Potassium	ppm	ASTM D5185m	>20	4	5	---
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 oil viscosity is higher than normal. Confirm oil type.

Sodium	ppm	ASTM D5185m	>51	1	3	---
Boron	ppm	ASTM D5185m	6	48	46	---
Barium	ppm	ASTM D5185m	0	7	6	---
Molybdenum	ppm	ASTM D5185m	0	6	0	---
Manganese	ppm	ASTM D5185m		4	3	---
Magnesium	ppm	ASTM D5185m	145	30	2	---
Calcium	ppm	ASTM D5185m	3570	61	27	---
Phosphorus	ppm	ASTM D5185m	1290	535	484	---
Zinc	ppm	ASTM D5185m	1640	47	13	---
Sulfur	ppm	ASTM D5185m		14753	13870	---
Visc @ 40°C	cSt	ASTM D445	57.0	183	185.2	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0051313 **Received** : 11 Jul 2024
Lab Number : 06234086 **Tested** : 12 Jul 2024
Unique Number : 11122920 **Diagnosed** : 14 Jul 2024 - Don Baldrige
Test Package : CONST (Additional Tests: 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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