



OIL ANALYSIS REPORT

WEAR
CONTAMINATION
FLUID CONDITION

ATTENTION
ABNORMAL
NORMAL



Area

Store 9 - Marietta

Machine Id

JOHN DEERE 650K 1T0650KKJPF435702

Component

Left Final Drive

Fluid

JOHN DEERE HY-GARD HYD/TRANS (2 GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Please note that this is a corrected copy.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0051624	LEC0044384	---
Sample Date		Client Info		11 Jun 2024	28 Aug 2023	---
Machine Age	hrs	Client Info		1040	502	---
Oil Age	hrs	Client Info		1040	502	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Not Changd	---
Filter Changed		Client Info		None	None	---
Sample Status				ABNORMAL	NORMAL	---

WEAR

All other component wear rates are normal.

PQ		ASTM D8184	>1250	202	284	---
Iron	ppm	ASTM D5185m	>750	306	252	---
Chromium	ppm	ASTM D5185m	>9	4	3	---
Nickel	ppm	ASTM D5185m	>10	1	1	---
Titanium	ppm	ASTM D5185m		3	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>40	60	5	---
Lead	ppm	ASTM D5185m	>15	0	0	---
Copper	ppm	ASTM D5185m	>40	2	1	---
Tin	ppm	ASTM D5185m	>10	0	1	---
Vanadium	ppm	ASTM D5185m		<1	<1	---
White Metal	scalar	*Visual	NONE	NONE	MODER	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

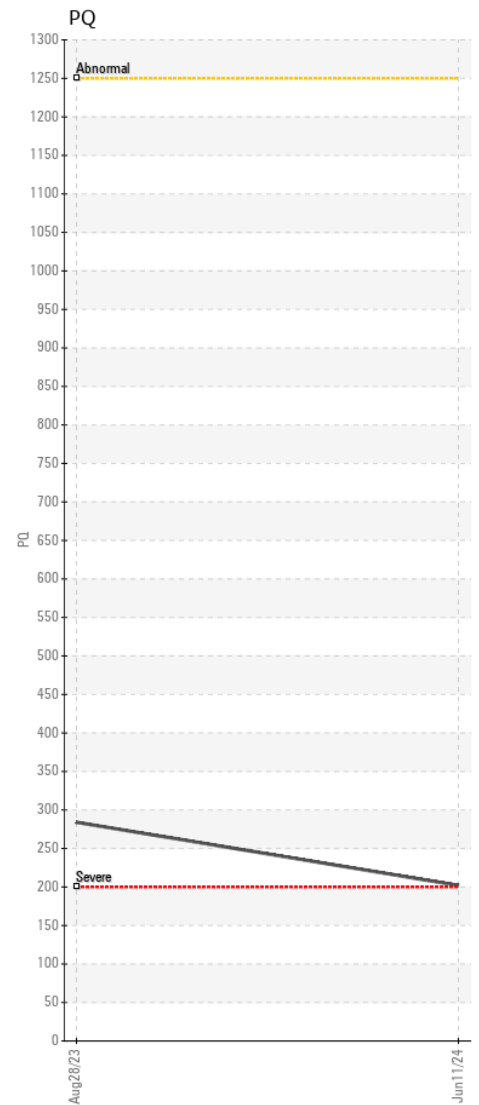
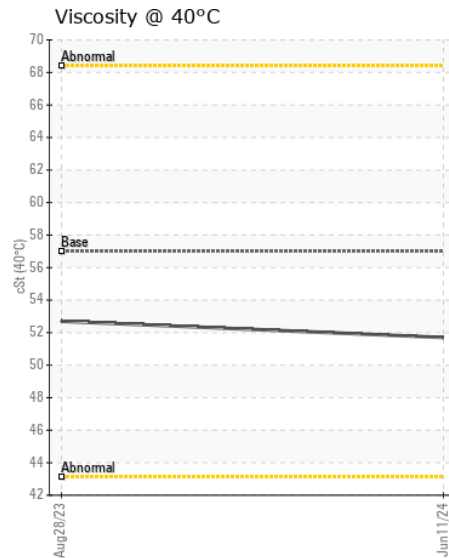
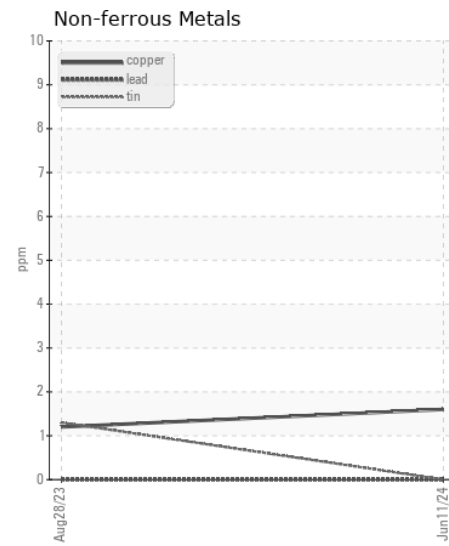
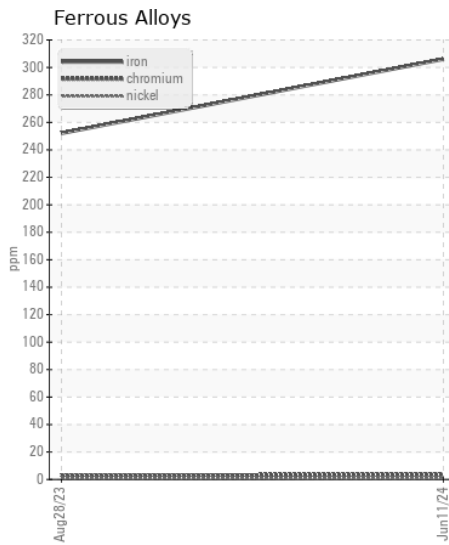
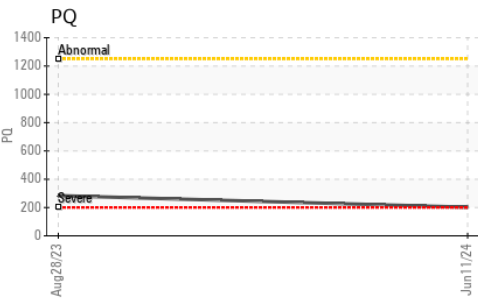
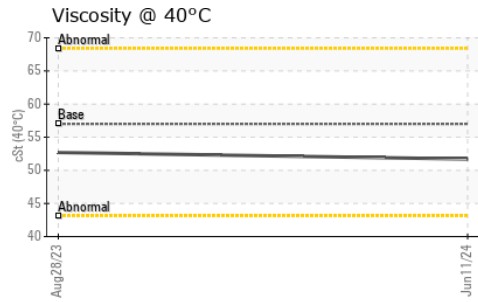
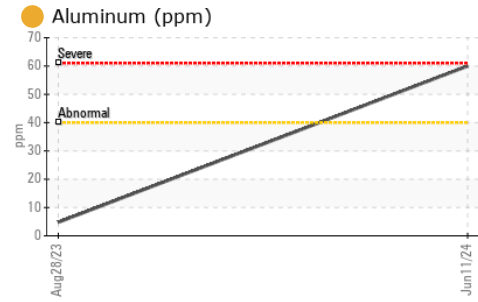
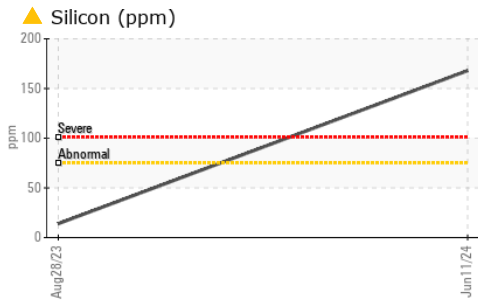
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m	>75	▲ 168	14	---
Potassium	ppm	ASTM D5185m	>20	18	0	---
Water		WC Method	>0.075	NEG	NEG	---
Silt	scalar	*Visual	NONE	MODER	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	>0.075	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	7	4	---
Boron	ppm	ASTM D5185m	6	2	0	---
Barium	ppm	ASTM D5185m	0	4	0	---
Molybdenum	ppm	ASTM D5185m	0	2	2	---
Manganese	ppm	ASTM D5185m		7	6	---
Magnesium	ppm	ASTM D5185m	145	110	93	---
Calcium	ppm	ASTM D5185m	3570	3579	4049	---
Phosphorus	ppm	ASTM D5185m	1290	1065	1060	---
Zinc	ppm	ASTM D5185m	1640	1260	1334	---
Sulfur	ppm	ASTM D5185m		4097	4523	---
Visc @ 40°C	cSt	ASTM D445	57.0	51.7	52.7	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0051624 **Received** : 17 Jun 2024
Lab Number : 06212057 **Tested** : 18 Jun 2024
Unique Number : 11084921 **Diagnosed** : 19 Jun 2024 - Sean Felton
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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