



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION



Area
Store 9 - Marietta
Machine Id
JOHN DEERE 700K 1T0700KXJDE248315
Component
Transmission
Fluid
JOHN DEERE HYDRAU (18 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0048950	LEC0042981	---
Sample Date		Client Info		22 May 2024	22 Sep 2023	---
Machine Age	hrs	Client Info		6097	5603	---
Oil Age	hrs	Client Info		6097	500	---
Filter Age	hrs	Client Info		500	500	---
Oil Changed		Client Info		Not Changed	Not Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				ATTENTION	ATTENTION	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>100	11	16	---
Iron	ppm	ASTM D5185m	>61	5	4	---
Chromium	ppm	ASTM D5185m	>10	<1	0	---
Nickel	ppm	ASTM D5185m		<1	0	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m		<1	0	---
Aluminum	ppm	ASTM D5185m	>20	1	0	---
Lead	ppm	ASTM D5185m	>9	2	1	---
Copper	ppm	ASTM D5185m	>100	7	7	---
Tin	ppm	ASTM D5185m	>3	<1	0	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

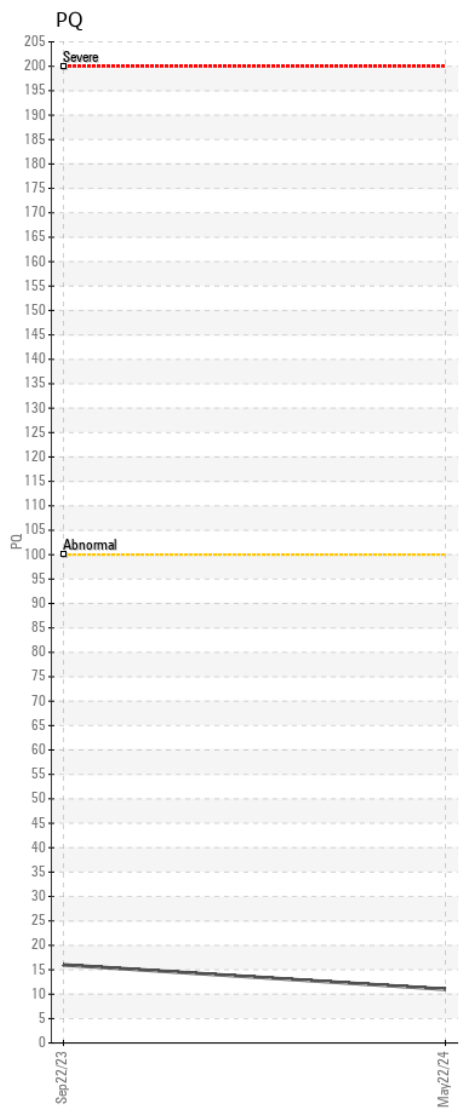
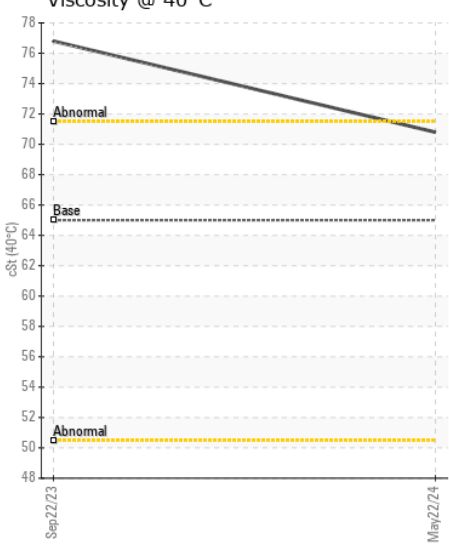
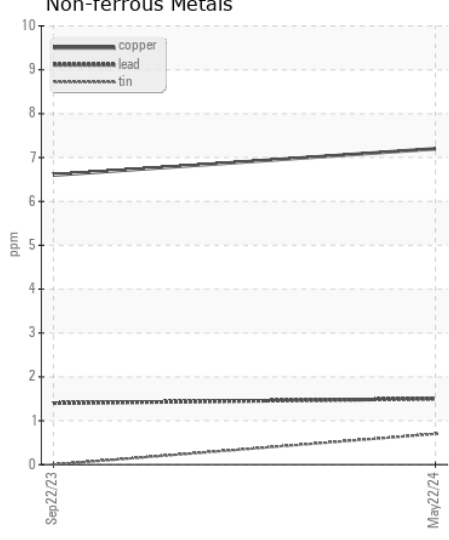
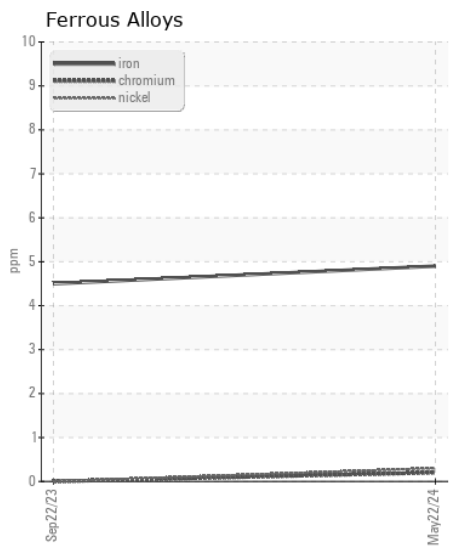
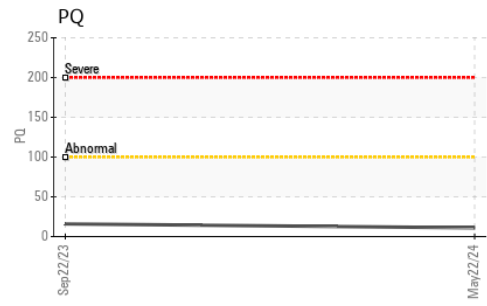
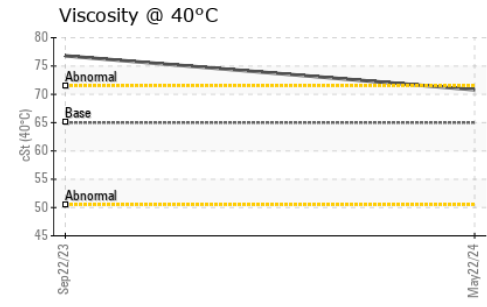
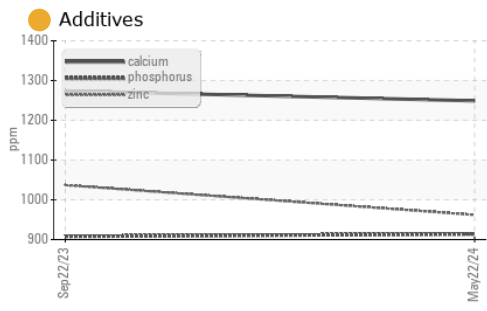
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>21	6	6	---
Potassium	ppm	ASTM D5185m	>20	3	3	---
Water		WC Method	>0.075	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	>0.075	NEG	NEG	---

FLUID CONDITION

Additive levels indicate the addition of a different brand, or type of fluid. Confirm oil type.

Sodium	ppm	ASTM D5185m	>30	1	0	---
Boron	ppm	ASTM D5185m		97	95	---
Barium	ppm	ASTM D5185m		2	<1	---
Molybdenum	ppm	ASTM D5185m		81	87	---
Manganese	ppm	ASTM D5185m		<1	<1	---
Magnesium	ppm	ASTM D5185m		591	622	---
Calcium	ppm	ASTM D5185m	87	1249	1274	---
Phosphorus	ppm	ASTM D5185m	727	914	908	---
Zinc	ppm	ASTM D5185m	900	962	1037	---
Sulfur	ppm	ASTM D5185m	1500	3070	3223	---
Visc @ 40°C	cSt	ASTM D445	65	70.8	76.8	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0048950 **Received** : 31 May 2024
Lab Number : 06196905 **Tested** : 03 Jun 2024
Unique Number : 11059028 **Diagnosed** : 03 Jun 2024 - Sean Felton
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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