



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
Store 4 - Fairmont [RO# 152167]
Machine Id
JOHN DEERE 700K 1T0700KXPDE289692
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		LEC0050954	LEC0036244	---
Sample Date		Client Info		17 Jun 2024	20 Oct 2022	---
Machine Age	hrs	Client Info		16126	15773	---
Oil Age	hrs	Client Info		353	1000	---
Filter Age	hrs	Client Info		353	1000	---
Oil Changed		Client Info		Not Changed	Changed	---
Filter Changed		Client Info		Not Changed	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>100	15	11	---
Iron	ppm	ASTM D5185m	>61	3	5	---
Chromium	ppm	ASTM D5185m	>10	0	0	---
Nickel	ppm	ASTM D5185m		0	0	---
Titanium	ppm	ASTM D5185m		0	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>20	2	<1	---
Lead	ppm	ASTM D5185m	>9	0	<1	---
Copper	ppm	ASTM D5185m	>100	2	2	---
Tin	ppm	ASTM D5185m	>3	<1	<1	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

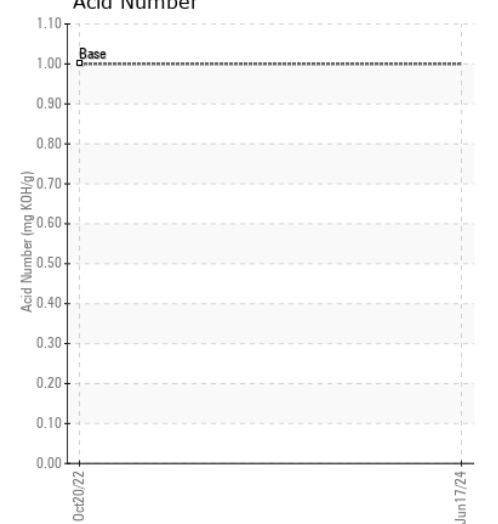
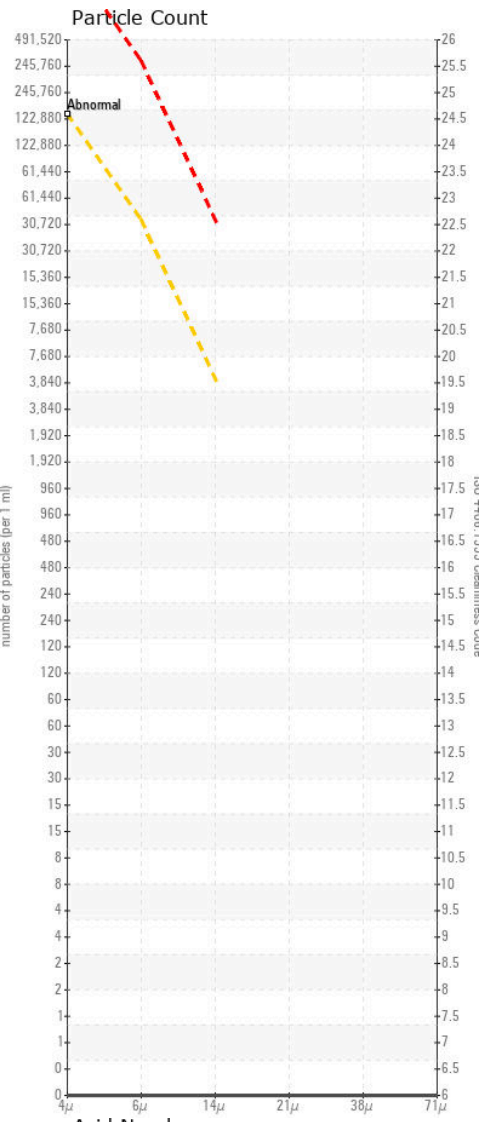
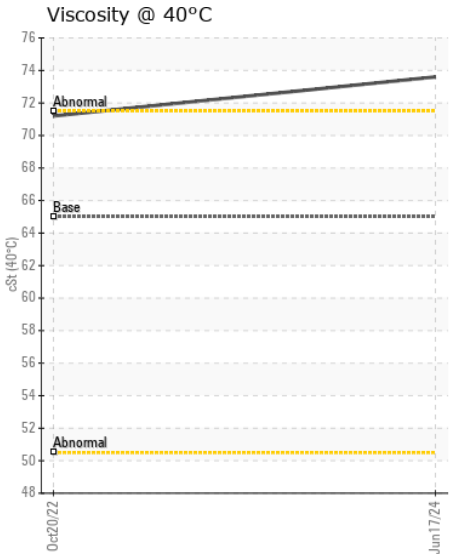
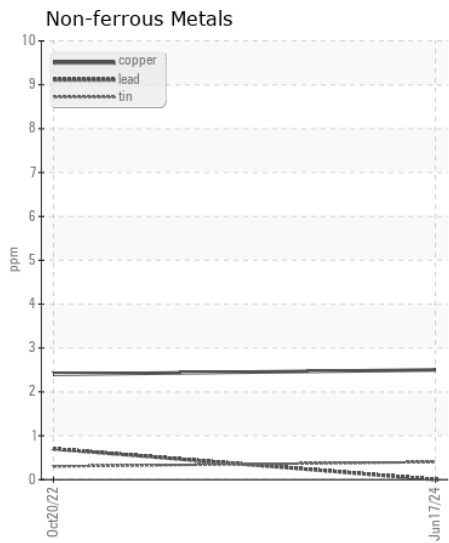
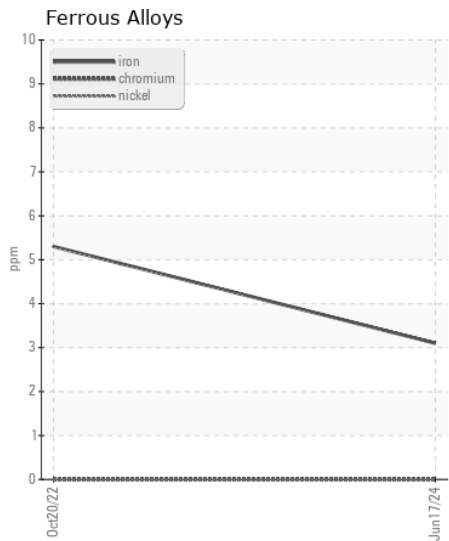
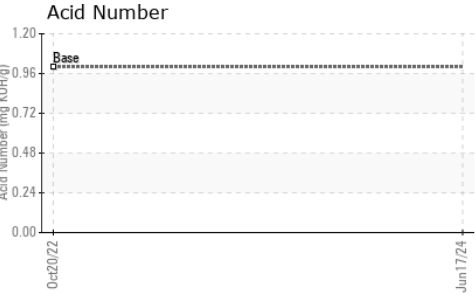
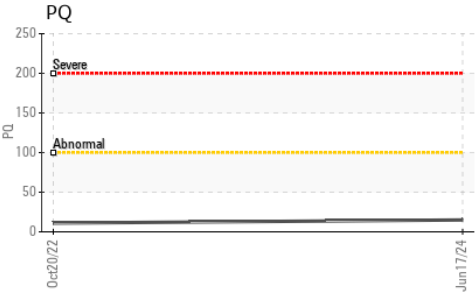
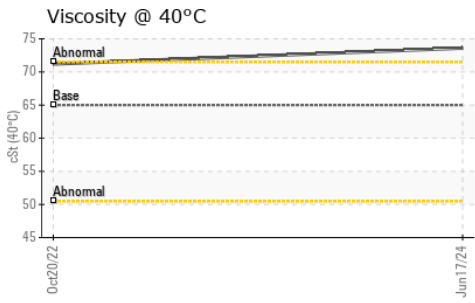
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>21	7	4	---
Potassium	ppm	ASTM D5185m	>20	6	2	---
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

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

Sodium	ppm	ASTM D5185m	>30	3	0	---
Boron	ppm	ASTM D5185m		202	187	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		75	26	---
Manganese	ppm	ASTM D5185m		<1	<1	---
Magnesium	ppm	ASTM D5185m		274	119	---
Calcium	ppm	ASTM D5185m	87	1998	2087	---
Phosphorus	ppm	ASTM D5185m	727	1046	940	---
Zinc	ppm	ASTM D5185m	900	1149	1072	---
Sulfur	ppm	ASTM D5185m	1500	4153	4199	---
Visc @ 40°C	cSt	ASTM D445	65	73.6	71.2	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0050954 **Received** : 24 Jun 2024
Lab Number : 06218085 **Tested** : 25 Jun 2024
Unique Number : 11096282 **Diagnosed** : 25 Jun 2024 - Jonathan Hester
Test Package : CONST (Additional Tests: PQ, PrtCount)

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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)