



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL



Area  
**Store 4 - Fairmont [RO# 151949]**  
Machine Id  
**JOHN DEERE 700K 1T0700KXKEE268175**  
Component  
**Hydraulic System**  
Fluid  
**JOHN DEERE HYDRAU (14 GAL)**

## RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0050925	LEC0017413	---
Sample Date		Client Info		14 Jun 2024	09 Nov 2020	---
Machine Age	hrs	Client Info		3850	2802	---
Oil Age	hrs	Client Info		3850	2802	---
Filter Age	hrs	Client Info		1048	2802	---
Oil Changed		Client Info		Changed	Not Changd	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				ABNORMAL	NORMAL	---

## WEAR

All component wear rates are normal.

PQ		ASTM D8184	>50	22	17	---
Iron	ppm	ASTM D5185m	>23	13	9	---
Chromium	ppm	ASTM D5185m	>9	3	2	---
Nickel	ppm	ASTM D5185m	>5	<1	0	---
Titanium	ppm	ASTM D5185m		1	<1	---
Silver	ppm	ASTM D5185m		<1	<1	---
Aluminum	ppm	ASTM D5185m	>9	7	0	---
Lead	ppm	ASTM D5185m	>28	4	4	---
Copper	ppm	ASTM D5185m	>51	19	14	---
Tin	ppm	ASTM D5185m	>5	<1	<1	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

## CONTAMINATION

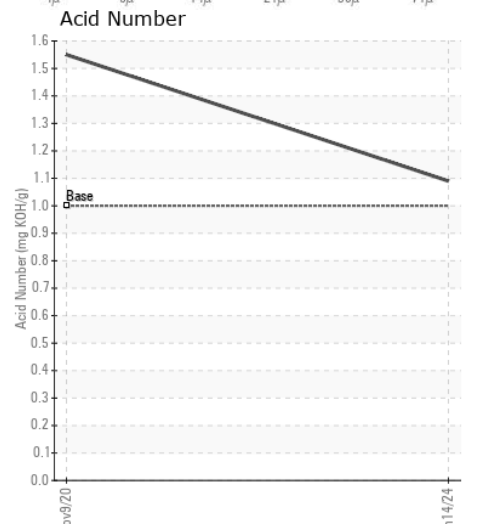
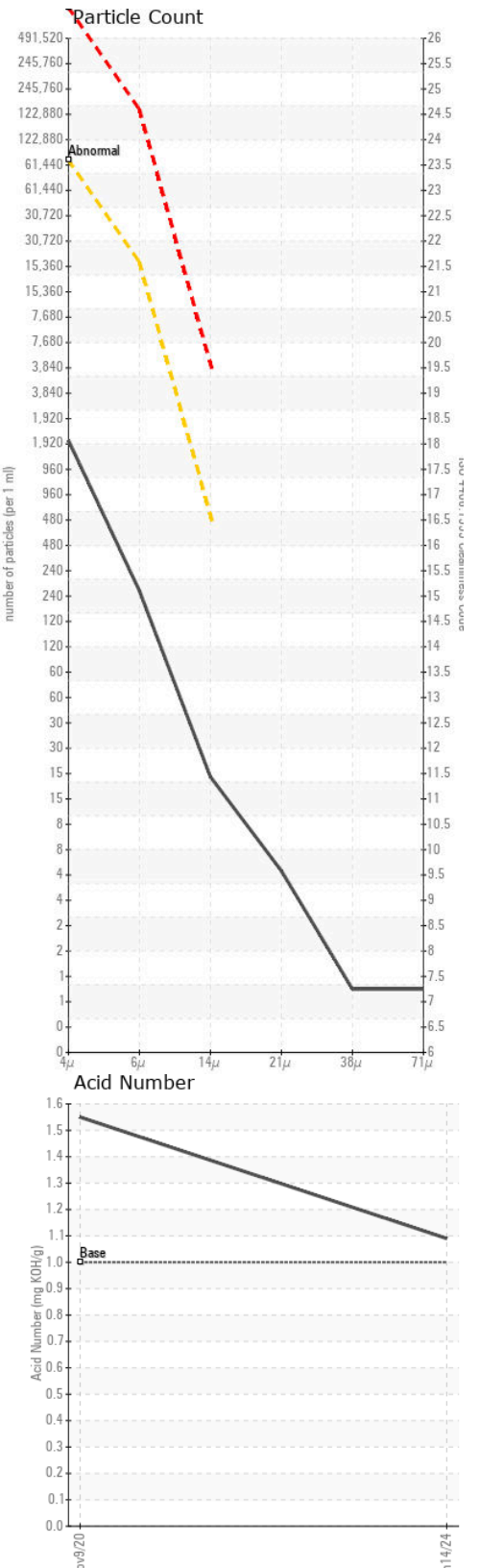
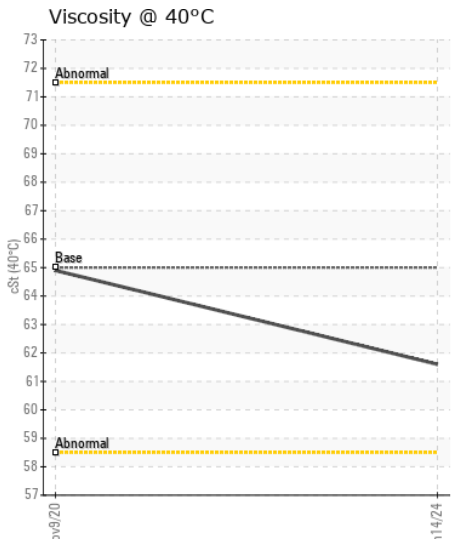
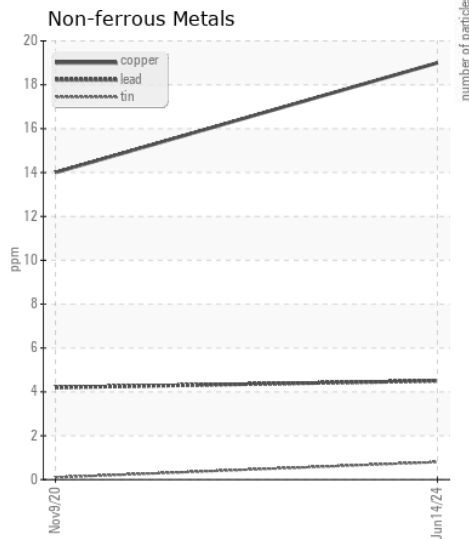
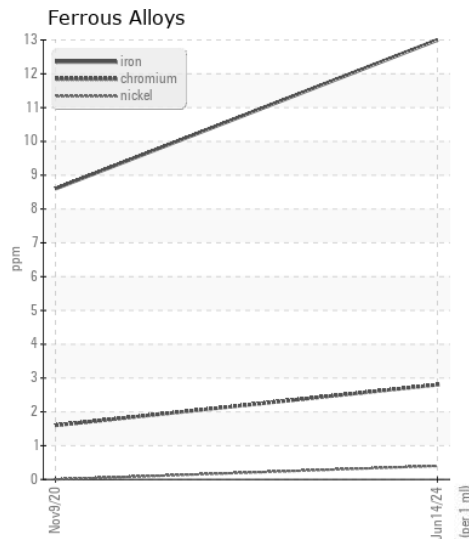
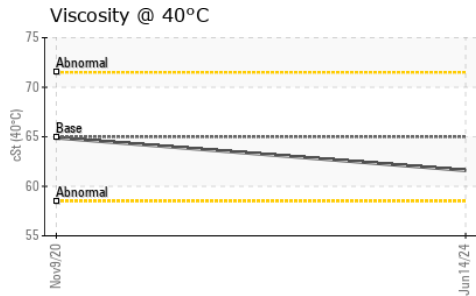
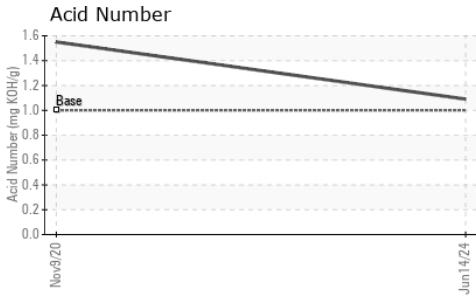
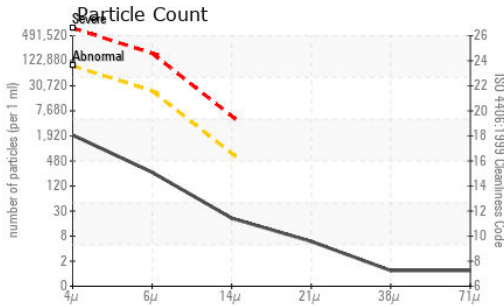
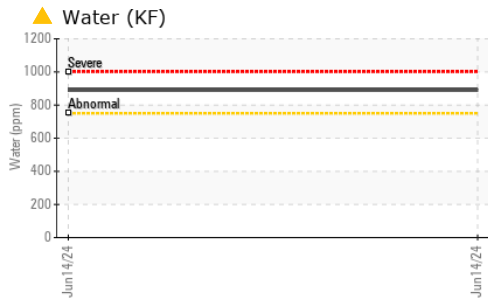
There is a light concentration of water present in the oil. The amount and size of particulates present in the system are acceptable.

Silicon	ppm	ASTM D5185m	>31	14	10	---
Potassium	ppm	ASTM D5185m	>20	6	4	---
Water	%	ASTM D6304	>0.075	▲ 0.089	---	---
ppm Water	ppm	ASTM D6304	>750	▲ 890	---	---
Particles >4µm		ASTM D7647	>80000	1764	17446	---
Particles >6µm		ASTM D7647	>20000	227	1126	---
Particles >14µm		ASTM D7647	>640	18	58	---
Particles >21µm		ASTM D7647	>160	5	17	---
Particles >38µm		ASTM D7647	>40	1	6	---
Particles >71µm		ASTM D7647	>10	1	6	---
Oil Cleanliness		ISO 4406 (c)	>23/21/16	18/15/11	21/17/13	---
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	0.2%	NEG	---

## FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oils additive package is suitable for further service.

Sodium	ppm	ASTM D5185m	>21	2	3	---
Boron	ppm	ASTM D5185m		109	133	---
Barium	ppm	ASTM D5185m		2	<1	---
Molybdenum	ppm	ASTM D5185m		82	86	---
Manganese	ppm	ASTM D5185m		<1	<1	---
Magnesium	ppm	ASTM D5185m		331	341	---
Calcium	ppm	ASTM D5185m	87	1537	1528	---
Phosphorus	ppm	ASTM D5185m	727	907	824	---
Zinc	ppm	ASTM D5185m	900	964	965	---
Sulfur	ppm	ASTM D5185m	1500	2890	2354	---
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	1.09	1.550	---
Visc @ 40°C	cSt	ASTM D445	65	61.6	64.9	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
 Sample No. : LEC0050925 Received : 21 Jun 2024  
 Lab Number : 06216776 Tested : 26 Jun 2024  
 Unique Number : 11089640 Diagnosed : 26 Jun 2024 - Jonathan Hester  
 Test Package : CONST ( Additional Tests: KF, 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)

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

T:  
 F: (740)373-5570