



WEAR	<b>NORMAL</b>
CONTAMINATION	<b>ATTENTION</b>
FLUID CONDITION	<b>NORMAL</b>

Area

[W9094]

Machine Id

JOHN DEERE 410L 1T0410LXKPF435467

Component

Hydraulic System

Fluid

{not provided} (12 GAL)

### RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor. ( Customer Sample Comment: W9094 )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0197268	---	---
Sample Date		Client Info		25 Jun 2024	---	---
Machine Age	hrs	Client Info		541	---	---
Oil Age	hrs	Client Info		541	---	---
Filter Age	hrs	Client Info		541	---	---
Oil Changed		Client Info		Not Chngd	---	---
Filter Changed		Client Info		Not Chngd	---	---
Sample Status				ATTENTION	---	---

### WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
Iron	ppm	ASTM D5185m	>20	0	---	---
Chromium	ppm	ASTM D5185m	>10	0	---	---
Nickel	ppm	ASTM D5185m	>10	0	---	---
Titanium	ppm	ASTM D5185m		0	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>10	0	---	---
Lead	ppm	ASTM D5185m	>10	0	---	---
Copper	ppm	ASTM D5185m	>75	7	---	---
Tin	ppm	ASTM D5185m	>10	0	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

### CONTAMINATION

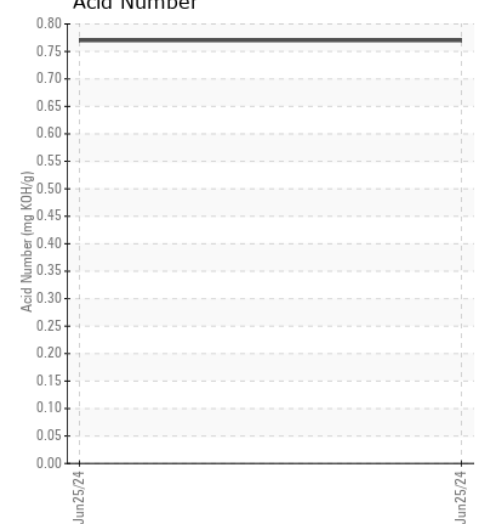
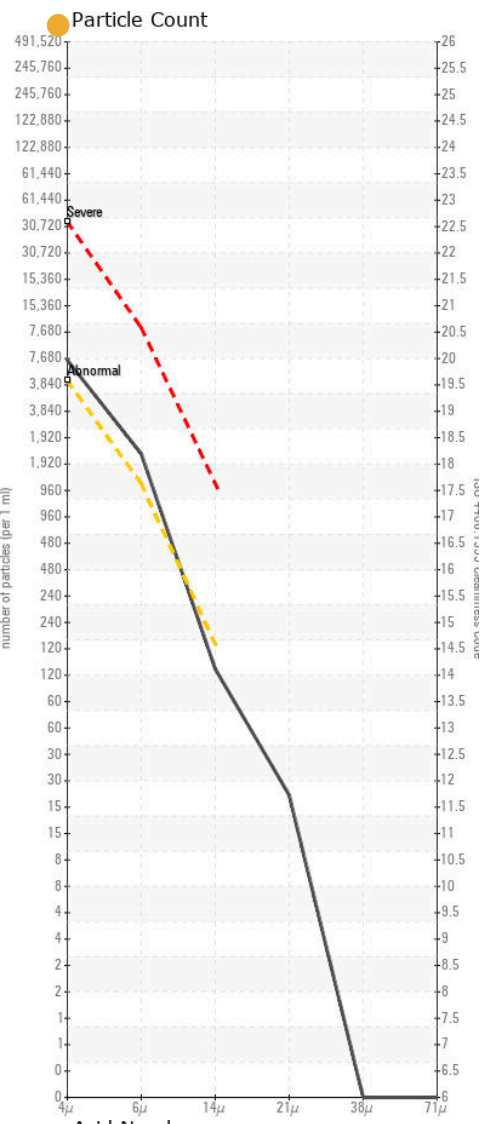
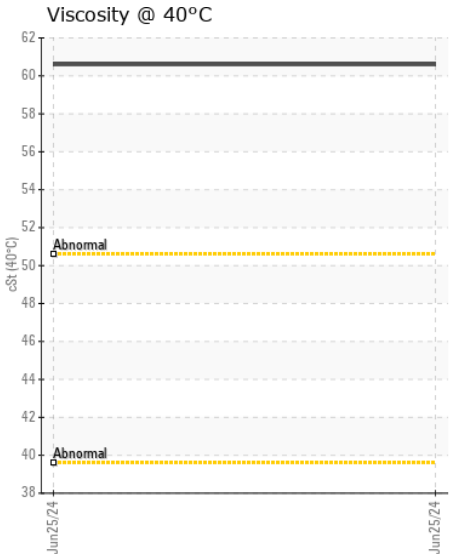
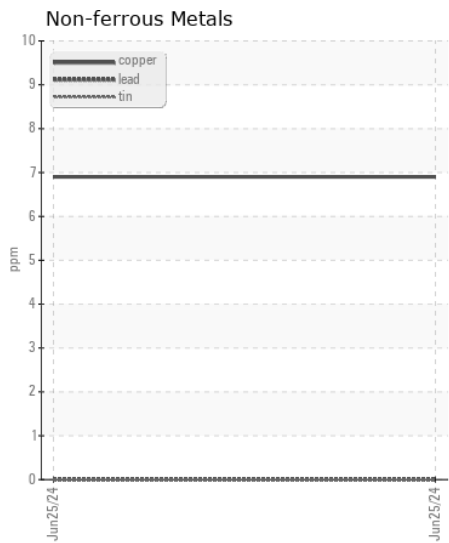
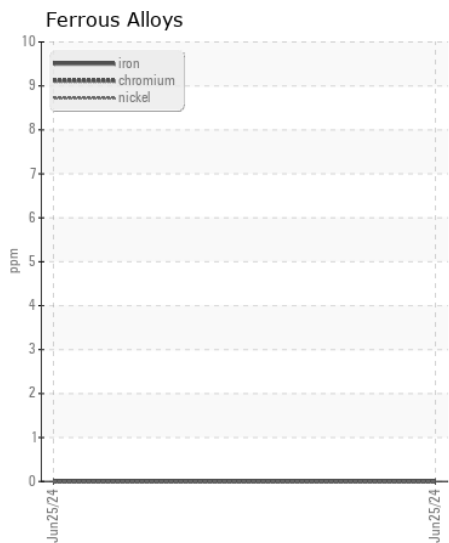
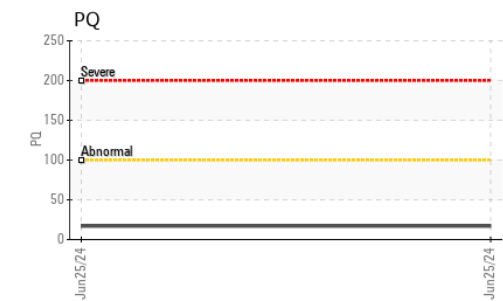
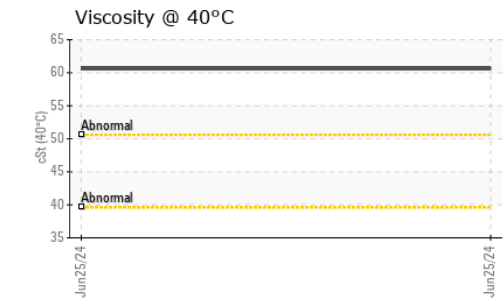
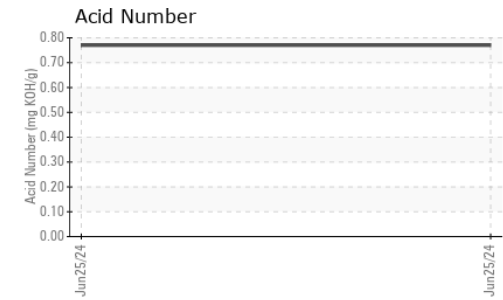
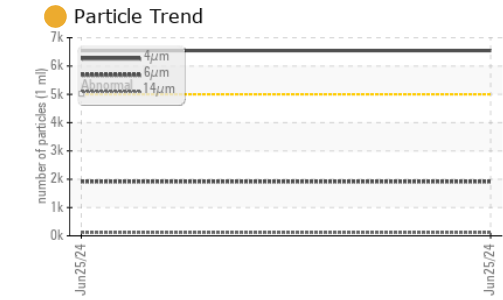
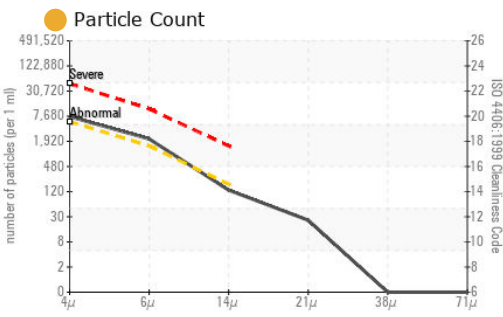
There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

Silicon	ppm	ASTM D5185m	>20	2	---	---
Potassium	ppm	ASTM D5185m	>20	4	---	---
Water		WC Method	>0.1	NEG	---	---
Particles >4µm		ASTM D7647	>5000	6545	---	---
Particles >6µm		ASTM D7647	>1300	1919	---	---
Particles >14µm		ASTM D7647	>160	115	---	---
Particles >21µm		ASTM D7647	>40	22	---	---
Particles >38µm		ASTM D7647	>10	0	---	---
Particles >71µm		ASTM D7647	>3	0	---	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	20/18/14	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.1	NEG	---	---

### FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		2	---	---
Boron	ppm	ASTM D5185m		0	---	---
Barium	ppm	ASTM D5185m		0	---	---
Molybdenum	ppm	ASTM D5185m		0	---	---
Manganese	ppm	ASTM D5185m		<1	---	---
Magnesium	ppm	ASTM D5185m		1	---	---
Calcium	ppm	ASTM D5185m		86	---	---
Phosphorus	ppm	ASTM D5185m		572	---	---
Zinc	ppm	ASTM D5185m		798	---	---
Sulfur	ppm	ASTM D5185m		1799	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045		0.77	---	---
Visc @ 40°C	cSt	ASTM D445		60.6	---	---



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0197268 **Received** : 26 Jun 2024  
**Lab Number** : 06221089 **Tested** : 27 Jun 2024  
**Unique Number** : 11099286 **Diagnosed** : 27 Jun 2024 - Don Baldrige  
**Test Package** : MOBCE ( Additional Tests: PQ )

**JRE - HOPE MILLS/FAYETTEVILLE**  
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 HOPE MILLS, NC  
 US 28348  
 Contact: FAYETTEVILLE SHOP  
 stephen.mullis@jamesriverequipment.com; panastasio@wearcheck.com  
 T:  
 F:

Certificate L2367  
 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)