



WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 324L 1LU324LHCZB068261
 Component
Rear Right Final Drive
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0209073	JR0167745	---
Sample Date		Client Info		16 Apr 2024	27 Apr 2023	---
Machine Age	hrs	Client Info		1311	543	---
Oil Age	hrs	Client Info		1311	543	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Not Changd	Not Changd	---
Filter Changed		Client Info		Not Changd	None	---
Sample Status				ABNORMAL	NORMAL	---

WEAR

An increase in the copper level is noted. All other component wear rates are normal.

PQ		ASTM D8184	>1250	156	147	---
Iron	ppm	ASTM D5185m	>750	636	354	---
Chromium	ppm	ASTM D5185m	>9	11	6	---
Nickel	ppm	ASTM D5185m	>10	2	<1	---
Titanium	ppm	ASTM D5185m		2	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>40	3	2	---
Lead	ppm	ASTM D5185m	>15	1	0	---
Copper	ppm	ASTM D5185m	>40	▲ 68	34	---
Tin	ppm	ASTM D5185m	>10	<1	0	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	MODER	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

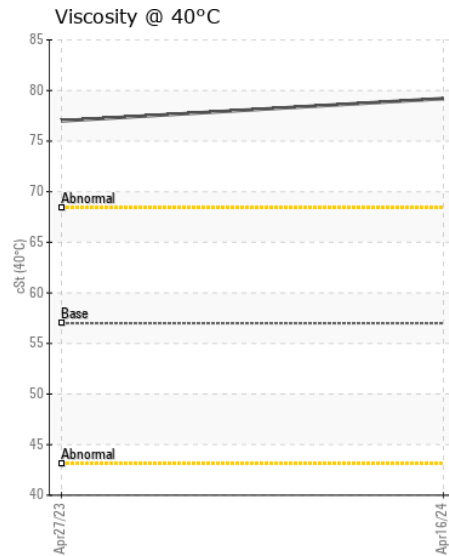
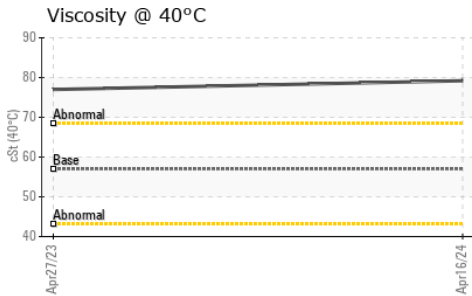
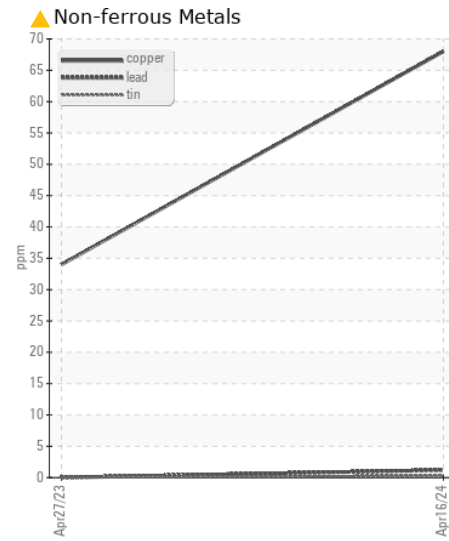
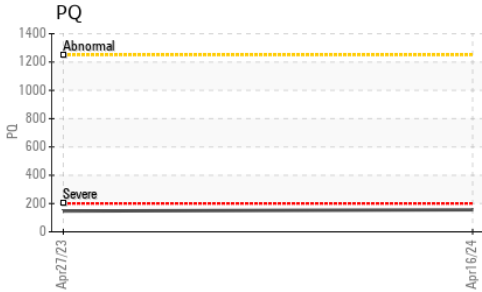
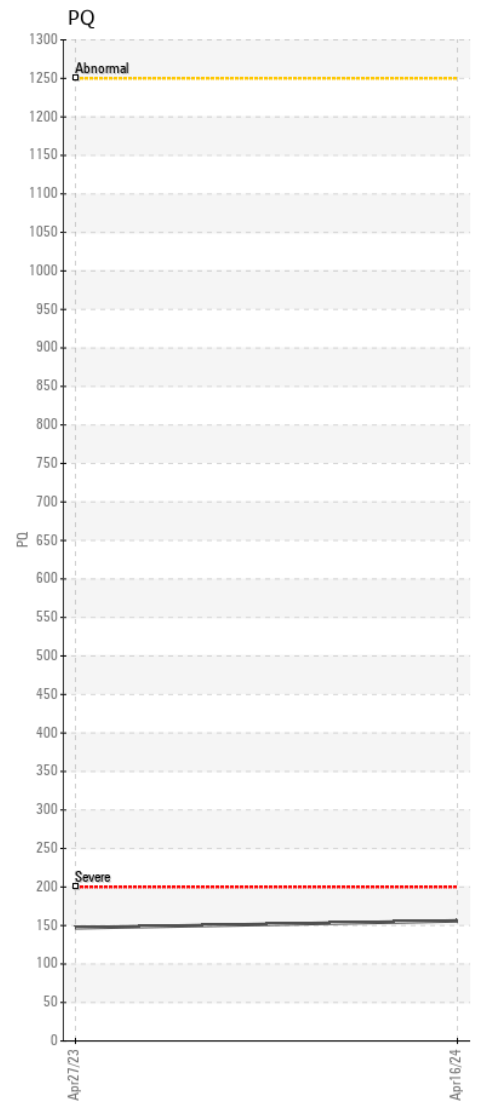
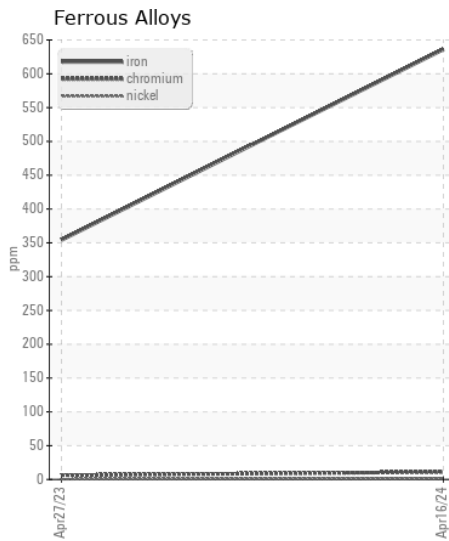
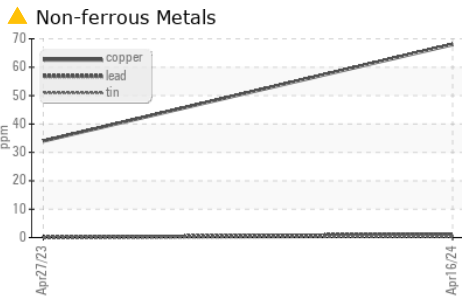
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	64	39	---
Potassium	ppm	ASTM D5185m	>20	3	<1	---
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 oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	8	6	---
Boron	ppm	ASTM D5185m	6	203	119	---
Barium	ppm	ASTM D5185m	0	18	10	---
Molybdenum	ppm	ASTM D5185m	0	2	<1	---
Manganese	ppm	ASTM D5185m		9	5	---
Magnesium	ppm	ASTM D5185m	145	6	4	---
Calcium	ppm	ASTM D5185m	3570	1159	792	---
Phosphorus	ppm	ASTM D5185m	1290	1036	688	---
Zinc	ppm	ASTM D5185m	1640	2404	1601	---
Sulfur	ppm	ASTM D5185m		9875	7465	---
Visc @ 40°C	cSt	ASTM D445	57.0	79.2	77.0	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0209073
Lab Number : 06153448
Unique Number : 10983526
Test Package : CONST (Additional Tests: PQ)

JRE - GARNER
 4161 AUBURN CHURCH RD
 GARNER, NC
 US 27529

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Contact: RALEIGH SHOP
 sean.betts@jamesriverequipment.com; catherine.anastasio@wearcheck.com

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

T: (919)614-2260

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

F: (919)779-5432