



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 324L 1LU324LXCZB064685

Component
Front Axle

Fluid
JOHN DEERE GL-5 80W90 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0191363	JR0168308	JR0135765
Sample Date		Client Info		08 Jan 2024	18 Apr 2023	29 Jul 2022
Machine Age	hrs	Client Info		2994	2050	1054
Oil Age	hrs	Client Info		944	996	1054
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	ABNORMAL

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		69	73	72
Iron	ppm	ASTM D5185m	>750	72	114	131
Chromium	ppm	ASTM D5185m	>11	<1	1	2
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>21	<1	1	1
Lead	ppm	ASTM D5185m	>49	0	0	<1
Copper	ppm	ASTM D5185m	>101	2	<1	2
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

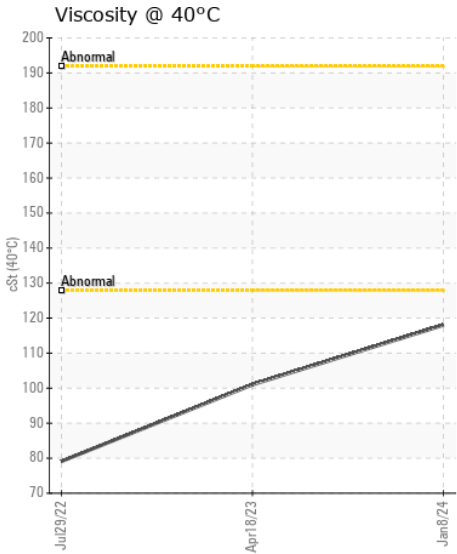
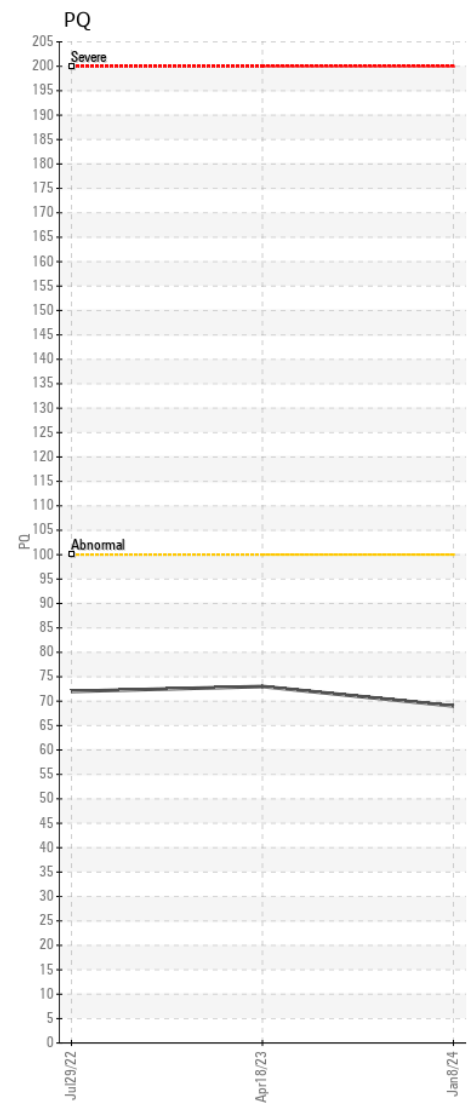
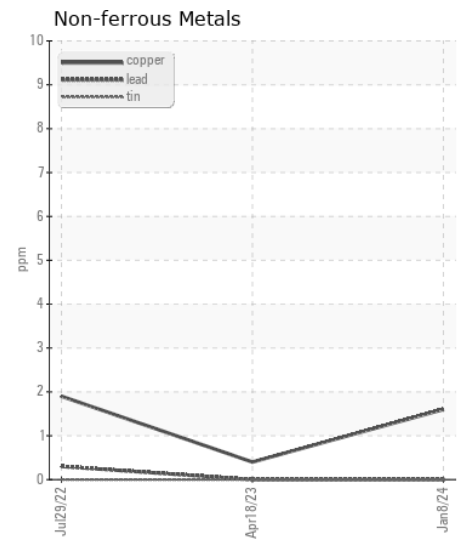
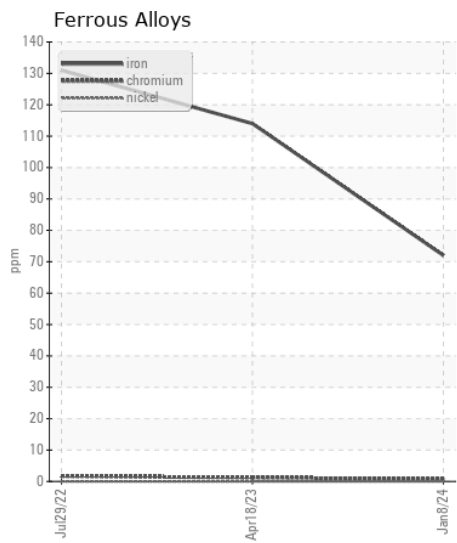
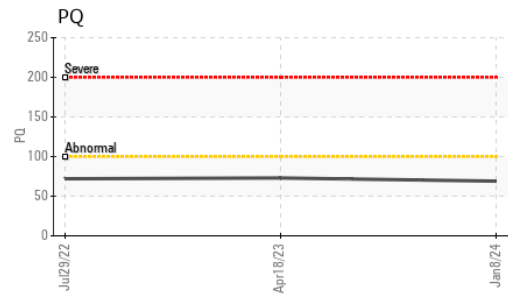
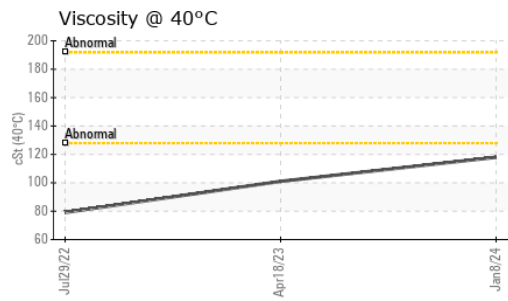
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	16	30	▲ 60
Potassium	ppm	ASTM D5185m	>20	1	3	10
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	<1	3	4
Boron	ppm	ASTM D5185m		92	60	146
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	2	4
Manganese	ppm	ASTM D5185m		2	3	4
Magnesium	ppm	ASTM D5185m		2	3	3
Calcium	ppm	ASTM D5185m		211	387	851
Phosphorus	ppm	ASTM D5185m		722	482	721
Zinc	ppm	ASTM D5185m		347	717	1502
Sulfur	ppm	ASTM D5185m		17372	14665	6999
Visc @ 40°C	cSt	ASTM D445		118	101	79.1



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0191363 **Received** : 16 Jan 2024
Lab Number : 06062209 **Diagnosed** : 18 Jan 2024
Unique Number : 10833591 **Diagnostician** : Wes Davis
Test Package : CONST (Additional Tests: PQ)

JRE - ASHEVILLE
 101 BRUCE DRIVE
 ASHEVILLE, NC
 US 28806
 Contact: Randy Warren
 randy.warren@jamesriverequipment.com
 T: (528)667-0176
 F: (828)667-4865

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)