



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 245GLC 1FF245GXHNF802498
 Component
Left Final Drive
 Fluid
JOHN DEERE GL-5 80W90 (7 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0214237	JR0201022	JR0189490
Sample Date		Client Info		17 May 2024	23 Jan 2024	26 Sep 2023
Machine Age	hrs	Client Info		2970	2518	2164
Oil Age	hrs	Client Info		2616	354	2164
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	N/A	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	ABNORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	216	71	307
Iron	ppm	ASTM D5185m	>750	280	211	419
Chromium	ppm	ASTM D5185m	>9	3	3	6
Nickel	ppm	ASTM D5185m	>10	0	<1	1
Titanium	ppm	ASTM D5185m		<1	1	2
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	7	7	16
Lead	ppm	ASTM D5185m	>15	0	<1	0
Copper	ppm	ASTM D5185m	>40	0	<1	1
Tin	ppm	ASTM D5185m	>10	0	<1	0
Vanadium	ppm	ASTM D5185m		0	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

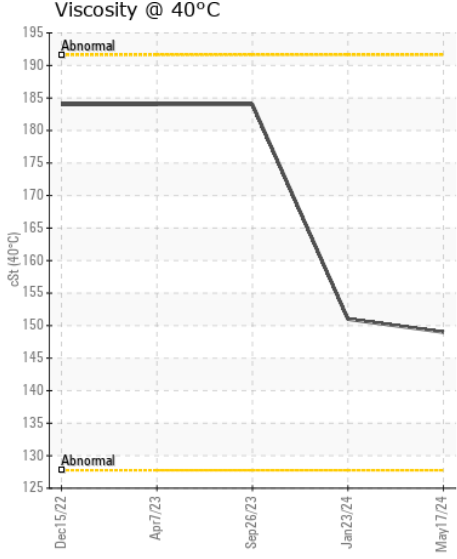
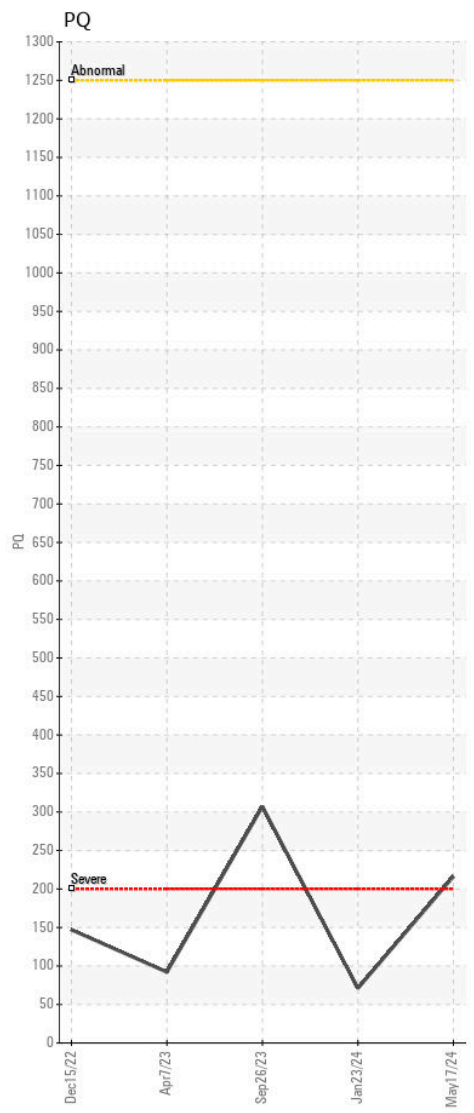
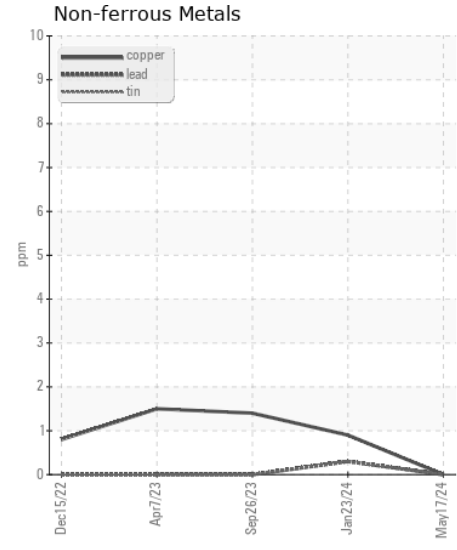
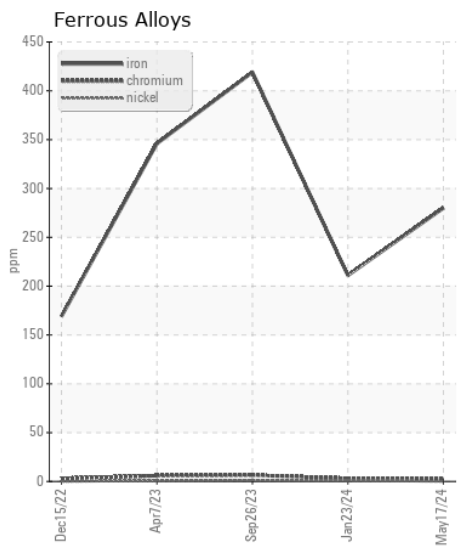
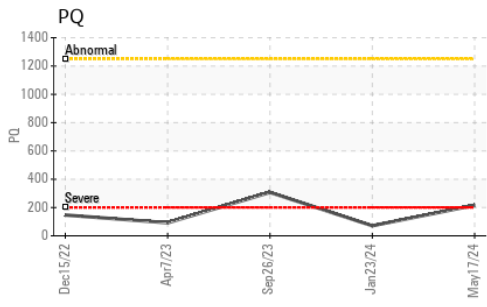
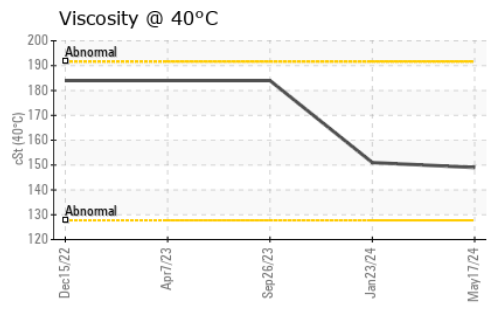
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>75	57	49	▲ 124
Potassium	ppm	ASTM D5185m	>20	<1	4	5
Water		WC Method	>0.075	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	>0.075	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	<1	0	<1
Boron	ppm	ASTM D5185m		65	77	70
Barium	ppm	ASTM D5185m		2	0	9
Molybdenum	ppm	ASTM D5185m		0	<1	<1
Manganese	ppm	ASTM D5185m		4	3	7
Magnesium	ppm	ASTM D5185m		0	2	2
Calcium	ppm	ASTM D5185m		25	22	42
Phosphorus	ppm	ASTM D5185m		1482	1444	507
Zinc	ppm	ASTM D5185m		5	0	28
Sulfur	ppm	ASTM D5185m		24949	25830	15948
Visc @ 40°C	cSt	ASTM D445		149	151	184



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0214237 **Received** : 21 May 2024
Lab Number : 06186446 **Tested** : 22 May 2024
Unique Number : 11043198 **Diagnosed** : 23 May 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

JRE - NEW BERN
 3816 MARTIN LUTHER KING BLVD
 NEW BERN, NC
 US 28562
 Contact: NEW BERN SHOP

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)

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