



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 245GLC 1FF245GXHNF802498
 Component
Swing Drive Gear Case
 Fluid
JOHN DEERE GL-5 80W90 (8 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0214241	JR0201025	JR0189502
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	1663
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		46	49	18
Iron	ppm	ASTM D5185m	>200	44	57	41
Chromium	ppm	ASTM D5185m	>10	0	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	<1	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m		0	3	0
Lead	ppm	ASTM D5185m		0	<1	0
Copper	ppm	ASTM D5185m		0	<1	<1
Tin	ppm	ASTM D5185m		0	<1	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

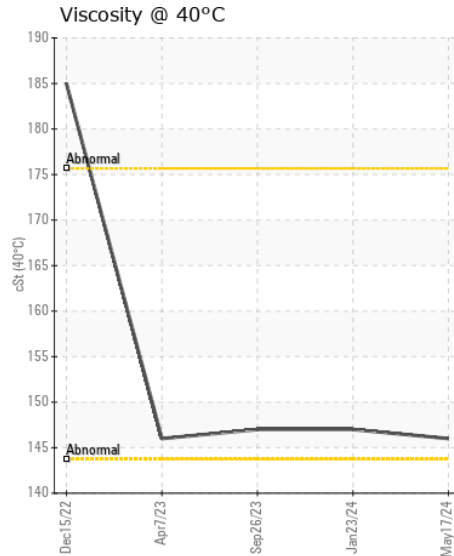
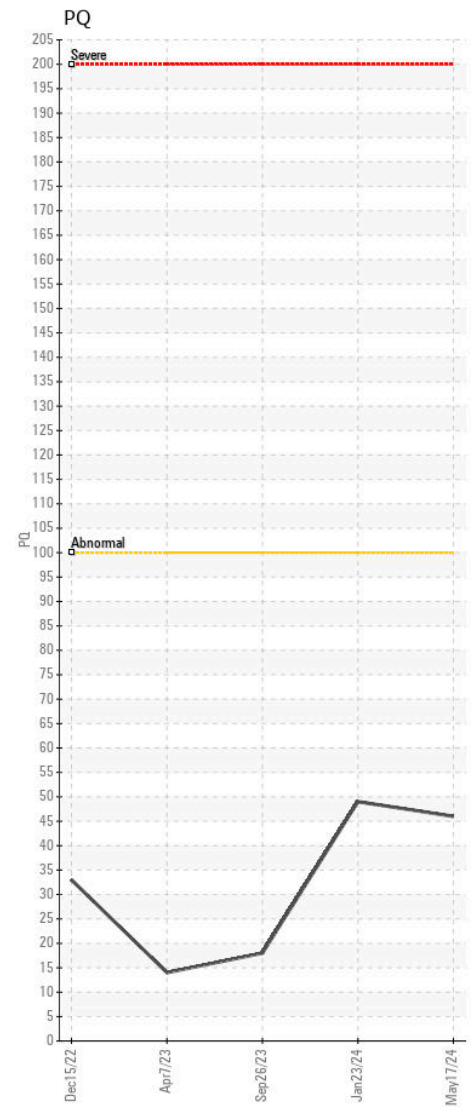
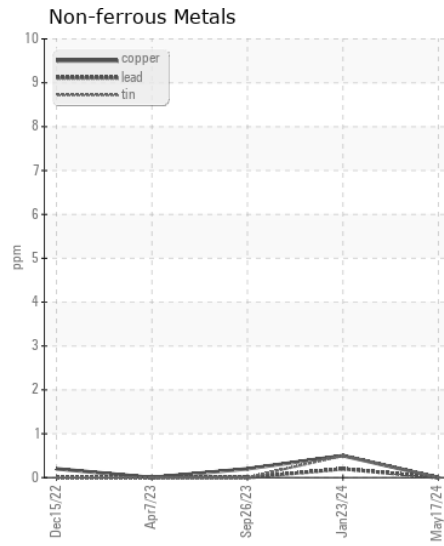
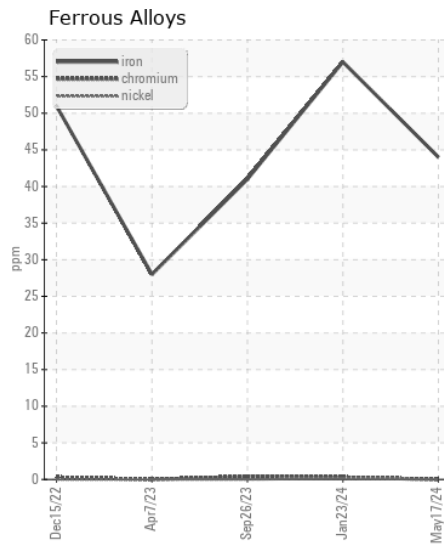
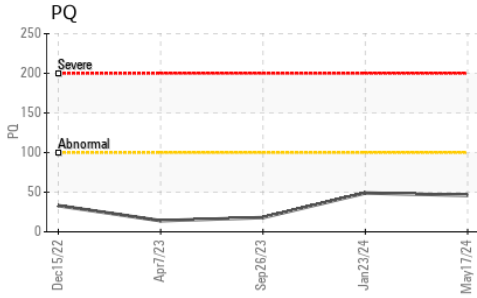
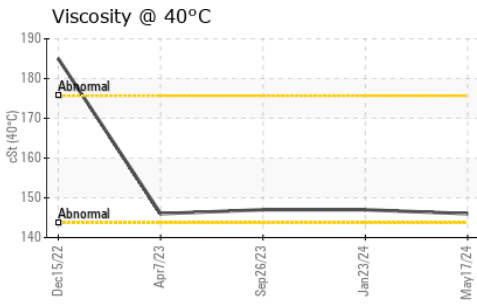
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m		6	9	11
Potassium	ppm	ASTM D5185m	>20	0	2	<1
Water		WC Method	>0.2	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	>0.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<1	0	0
Boron	ppm	ASTM D5185m		20	23	28
Barium	ppm	ASTM D5185m		<1	0	4
Molybdenum	ppm	ASTM D5185m		0	<1	<1
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m		<1	0	1
Calcium	ppm	ASTM D5185m		5	6	10
Phosphorus	ppm	ASTM D5185m		1694	1724	433
Zinc	ppm	ASTM D5185m		0	0	6
Sulfur	ppm	ASTM D5185m		27231	29564	21121
Visc @ 40°C	cSt	ASTM D445		146	147	147



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : JR0214241

Lab Number : 06186445

Unique Number : 11043197

Test Package : CONST (Additional Tests: PQ)

Received : 21 May 2024

Tested : 22 May 2024

Diagnosed : 23 May 2024 - Sean Felton

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

Contact: NEW BERN SHOP

nick.etherdridge@jamesriverequipment.com; canastasio@wearcheckusa.com

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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