



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 350G 1FF350GXJMF815186
 Component
Left Final Drive
 Fluid
JOHN DEERE GL-5 80W90 (10 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0200584	JR0214331	JR0174725
Sample Date		Client Info		20 May 2024	16 May 2024	06 Jun 2023
Machine Age	hrs	Client Info		4513	3987	3450
Oil Age	hrs	Client Info		4513	3987	1500
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Chngd	Changed	Not Chngd
Filter Changed		Client Info		N/A	None	N/A
Sample Status				NORMAL	ABNORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	115	207	78
Iron	ppm	ASTM D5185m	>750	180	784	311
Chromium	ppm	ASTM D5185m	>9	2	9	4
Nickel	ppm	ASTM D5185m	>10	0	3	<1
Titanium	ppm	ASTM D5185m		0	10	<1
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>40	6	51	6
Lead	ppm	ASTM D5185m	>15	0	<1	0
Copper	ppm	ASTM D5185m	>40	0	2	<1
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	<1	<1
White Metal	scalar	*Visual	NONE	NONE	LIGHT	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

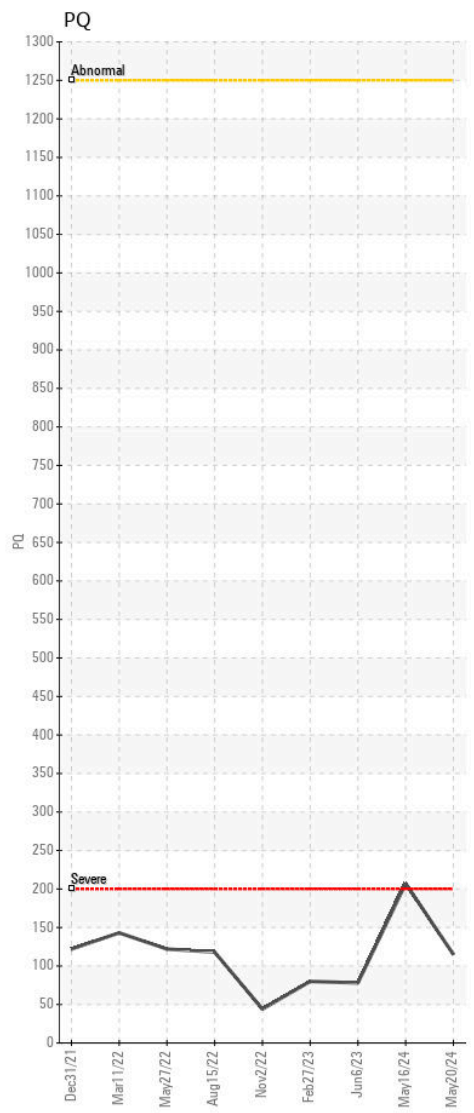
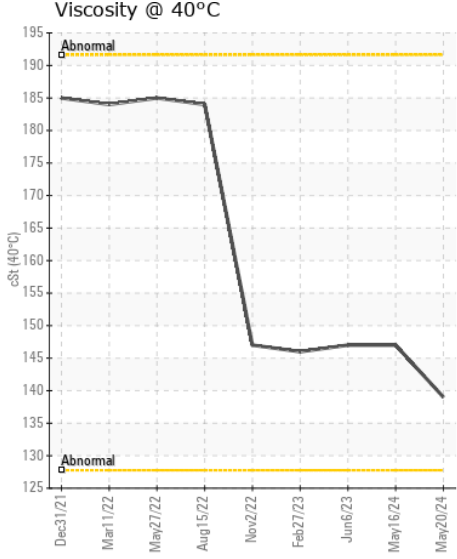
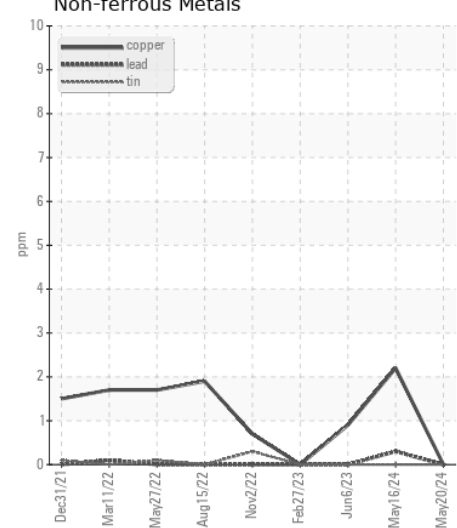
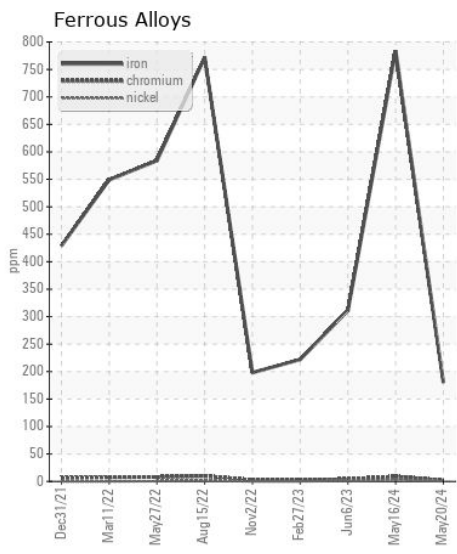
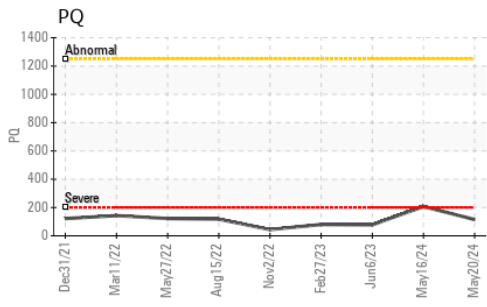
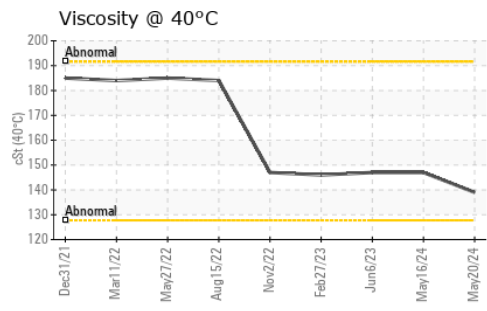
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	31	185	28
Potassium	ppm	ASTM D5185m	>20	0	11	2
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 oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	<1	5	<1
Boron	ppm	ASTM D5185m		8	75	62
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		6	8	2
Manganese	ppm	ASTM D5185m		1	9	4
Magnesium	ppm	ASTM D5185m		25	31	8
Calcium	ppm	ASTM D5185m		36	58	29
Phosphorus	ppm	ASTM D5185m		366	642	628
Zinc	ppm	ASTM D5185m		21	43	23
Sulfur	ppm	ASTM D5185m		23552	19648	21430
Visc @ 40°C	cSt	ASTM D445		139	147	147



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0200584 **Received** : 21 May 2024
Lab Number : 06186473 **Tested** : 22 May 2024
Unique Number : 11043225 **Diagnosed** : 23 May 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

JRE - GREENVILLE
 3604 HIGHWAY 264 E
 GREENVILLE, NC
 US 27834-5800

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

Contact: GREENVILLE SHOP
christopher.martin@jamesriverequipment.com

* - 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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F: