



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 250G 1FF250GXJMF611693
 Component
Right Final Drive
 Fluid
GEAR OIL SAE 80W90 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0220448	JR0205519	JR0179046
Sample Date		Client Info		09 Jul 2024	16 Apr 2024	28 Jul 2023
Machine Age	hrs	Client Info		4506	4105	2963
Oil Age	hrs	Client Info		401	3022	1000
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	ABNORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	84	394	63
Iron	ppm	ASTM D5185m	>750	212	977	93
Chromium	ppm	ASTM D5185m	>9	4	12	<1
Nickel	ppm	ASTM D5185m	>10	<1	2	0
Titanium	ppm	ASTM D5185m		<1	6	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	2	90	0
Lead	ppm	ASTM D5185m	>15	<1	1	0
Copper	ppm	ASTM D5185m	>40	2	2	2
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

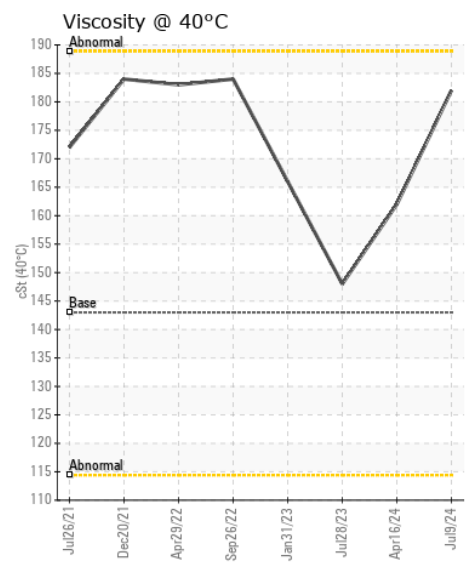
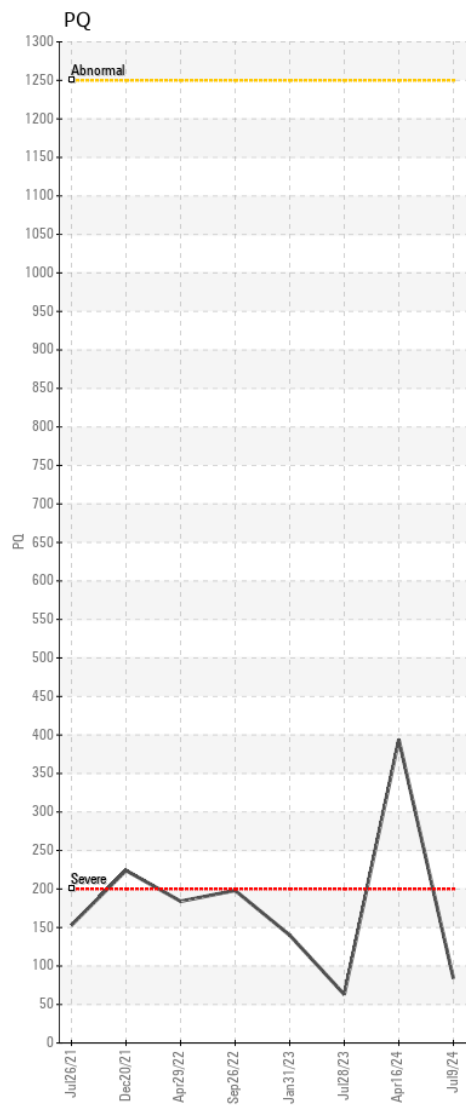
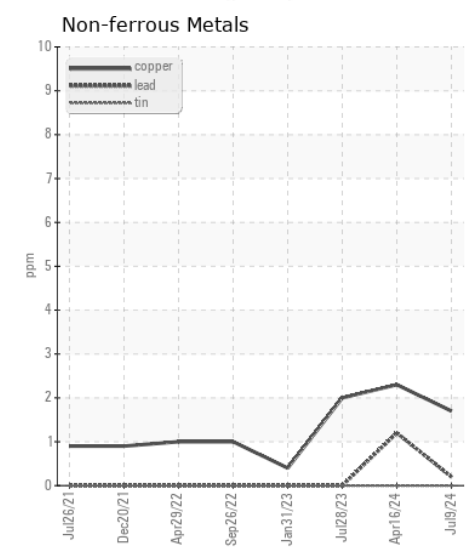
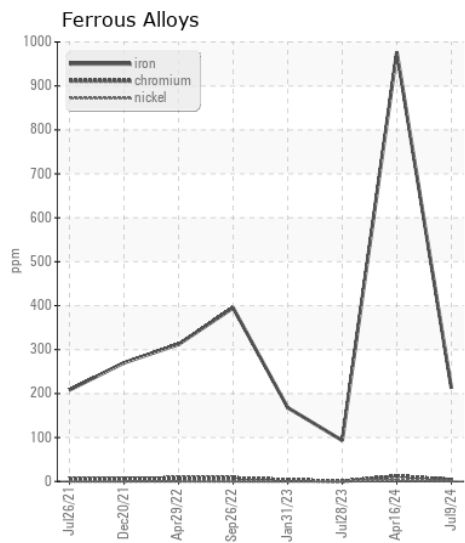
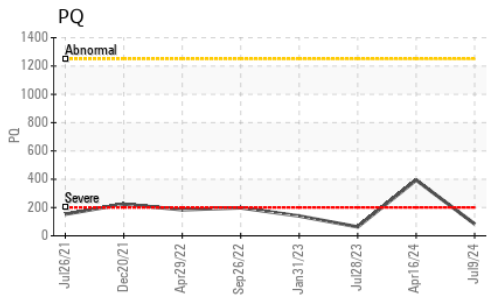
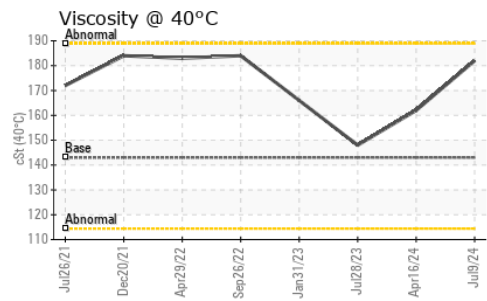
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	24	224	8
Potassium	ppm	ASTM D5185m	>20	3	8	2
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	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	>170	0	10	1
Boron	ppm	ASTM D5185m	400	55	98	180
Barium	ppm	ASTM D5185m	200	5	3	0
Molybdenum	ppm	ASTM D5185m	12	<1	9	0
Manganese	ppm	ASTM D5185m		5	13	<1
Magnesium	ppm	ASTM D5185m	12	1	36	3
Calcium	ppm	ASTM D5185m	150	0	64	2
Phosphorus	ppm	ASTM D5185m	1650	497	823	913
Zinc	ppm	ASTM D5185m	125	40	38	8
Sulfur	ppm	ASTM D5185m	22500	14535	18811	22161
Visc @ 40°C	cSt	ASTM D445	143	182	162	148



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0220448 **Received** : 15 Jul 2024
Lab Number : 06236369 **Tested** : 16 Jul 2024
Unique Number : 11125203 **Diagnosed** : 16 Jul 2024 - Wes Davis
Test Package : CONST (Additional Tests: PQ)

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 KINGS MOUNTAIN, NC
 US 28086
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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)