



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 250G C215649 (S/N 1FF250GXVEE609128)

Component
Left Final Drive

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		JR0221232	JR0170313	JR0131073
Sample Date		Client Info		01 Jul 2024	11 Aug 2023	27 Jun 2022
Machine Age	hrs	Client Info		4402	4092	3952
Oil Age	hrs	Client Info		3952	0	0
Filter Age	hrs	Client Info		3952	0	0
Oil Changed		Client Info		N/A	Not Changd	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	33	27	48
Iron	ppm	ASTM D5185m	>750	144	125	406
Chromium	ppm	ASTM D5185m	>9	1	1	3
Nickel	ppm	ASTM D5185m	>10	<1	<1	0
Titanium	ppm	ASTM D5185m		<1	<1	2
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	5	7	14
Lead	ppm	ASTM D5185m	>15	0	4	<1
Copper	ppm	ASTM D5185m	>40	2	5	<1
Tin	ppm	ASTM D5185m	>10	0	2	0
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

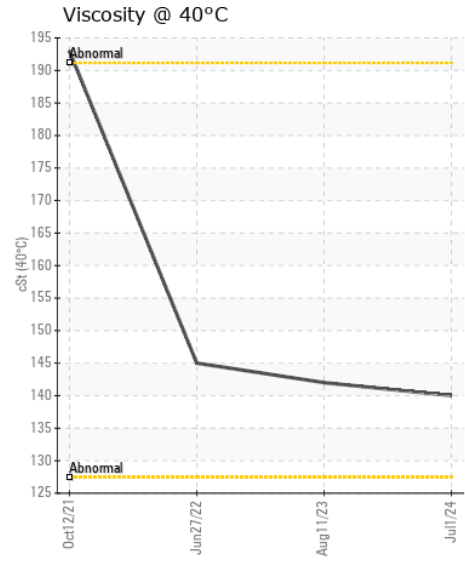
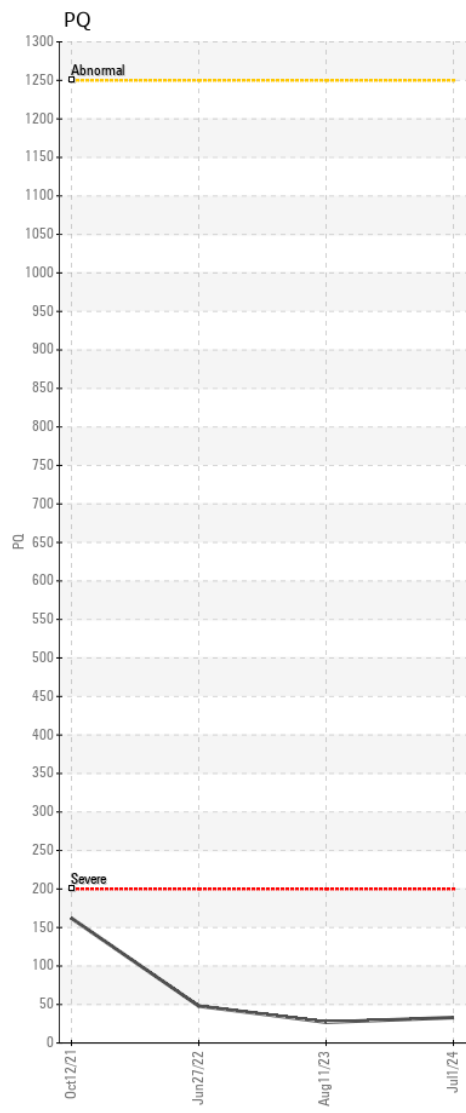
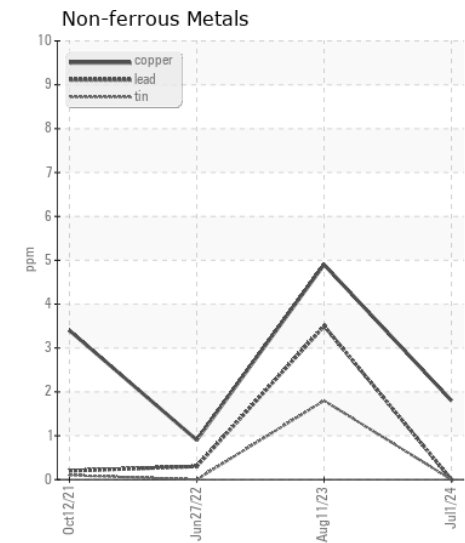
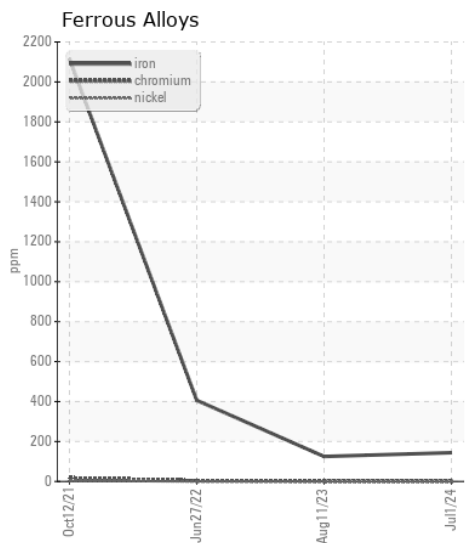
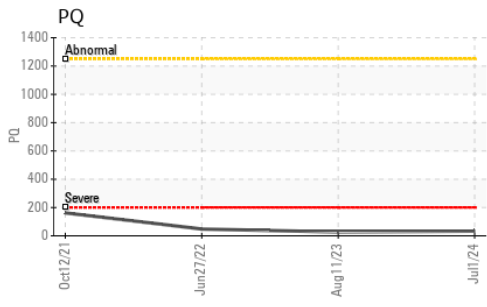
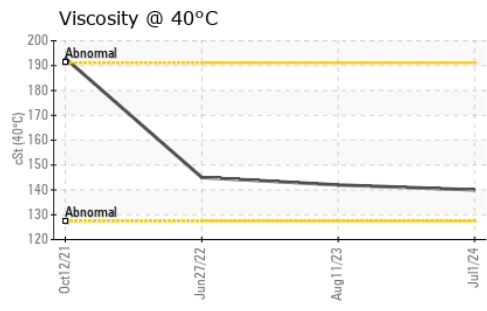
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	29	25	94
Potassium	ppm	ASTM D5185m	>20	<1	6	4
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	2	5	0
Boron	ppm	ASTM D5185m		0	5	6
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	5	1
Manganese	ppm	ASTM D5185m		2	3	3
Magnesium	ppm	ASTM D5185m		3	1	6
Calcium	ppm	ASTM D5185m		97	8	33
Phosphorus	ppm	ASTM D5185m		422	439	530
Zinc	ppm	ASTM D5185m		27	0	13
Sulfur	ppm	ASTM D5185m		21183	25792	19250
Visc @ 40°C	cSt	ASTM D445		140	142	145



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0221232 **Received** : 05 Jul 2024
Lab Number : 06228918 **Tested** : 08 Jul 2024
Unique Number : 11112411 **Diagnosed** : 08 Jul 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

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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)