



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 50G 1FF050GXVGH284506

Component
Right Final Drive

Fluid
GEAR OIL SAE 80W90 (1 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0194400	JR0145502	JRMC399056
Sample Date		Client Info		11 Jan 2024	20 Oct 2022	01 Feb 2021
Machine Age	hrs	Client Info		3500	2966	2024
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	79	103	166
Iron	ppm	ASTM D5185m	>750	678	898	658
Chromium	ppm	ASTM D5185m	>9	10	13	15
Nickel	ppm	ASTM D5185m	>10	3	3	10
Titanium	ppm	ASTM D5185m		2	3	4
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	24	▲ 53	▲ 48
Lead	ppm	ASTM D5185m	>15	<1	0	0
Copper	ppm	ASTM D5185m	>40	2	3	2
Tin	ppm	ASTM D5185m	>10	0	0	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

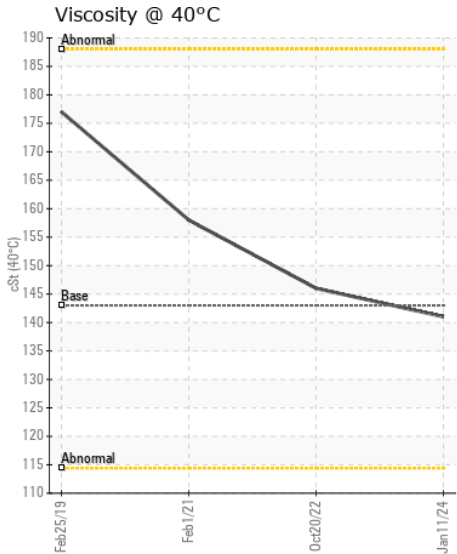
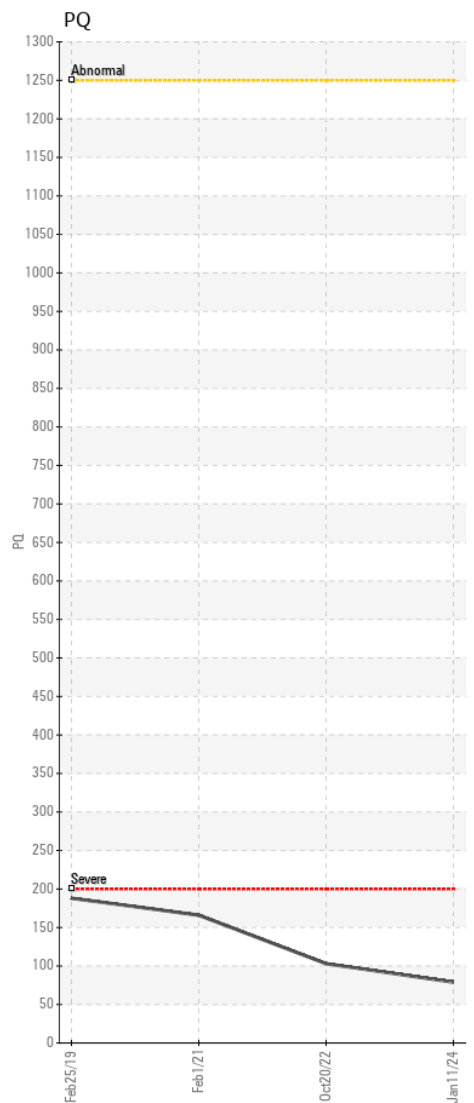
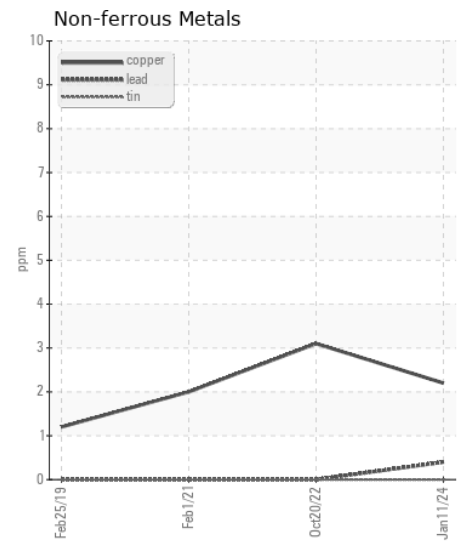
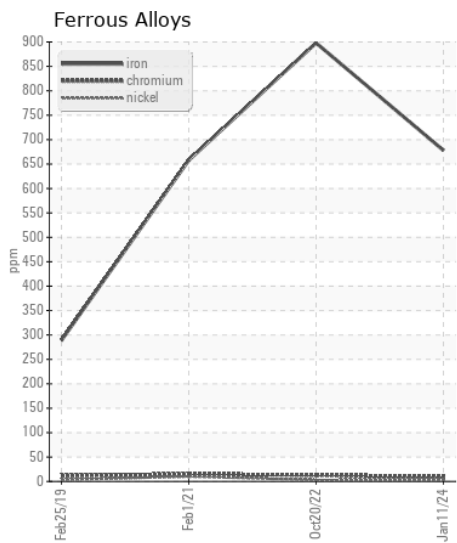
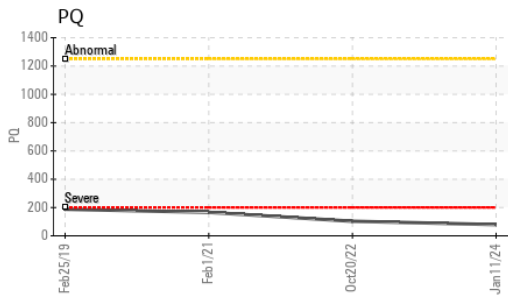
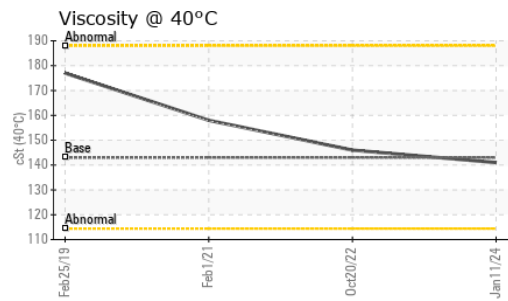
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	58	▲ 112	▲ 107
Potassium	ppm	ASTM D5185m	>20	3	2	9
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	▲ MODER
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	1	5
Boron	ppm	ASTM D5185m	400	17	37	116
Barium	ppm	ASTM D5185m	200	3	3	6
Molybdenum	ppm	ASTM D5185m	12	<1	<1	0
Manganese	ppm	ASTM D5185m		8	9	12
Magnesium	ppm	ASTM D5185m	12	3	5	8
Calcium	ppm	ASTM D5185m	150	4	13	19
Phosphorus	ppm	ASTM D5185m	1650	446	445	722
Zinc	ppm	ASTM D5185m	125	46	100	182
Sulfur	ppm	ASTM D5185m	22500	22480	19634	13847
Visc @ 40°C	cSt	ASTM D445	143	141	146	158



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0194400 **Received** : 12 Jan 2024
Lab Number : 06059576 **Diagnosed** : 16 Jan 2024
Unique Number : 10830958 **Diagnostician** : Jonathan Hester
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)