



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION

Machine Id
JOHN DEERE 844K DW844KX626780

Component
Rear Differential

Fluid
JOHN DEERE GL-5 80W90 (18 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0202345	JR0190958	JR0181570
Sample Date		Client Info		27 Feb 2024	08 Nov 2023	03 Aug 2023
Machine Age	hrs	Client Info		31757	31266	30761
Oil Age	hrs	Client Info		491	29781	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Filter Changed		Client Info		None	Changed	None
Sample Status				ATTENTION	ATTENTION	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		66	24	14
Iron	ppm	ASTM D5185m	>500	137	81	10
Chromium	ppm	ASTM D5185m	>10	2	1	0
Nickel	ppm	ASTM D5185m	>10	2	<1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	4	2	<1
Lead	ppm	ASTM D5185m	>25	3	5	0
Copper	ppm	ASTM D5185m	>100	25	15	0
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

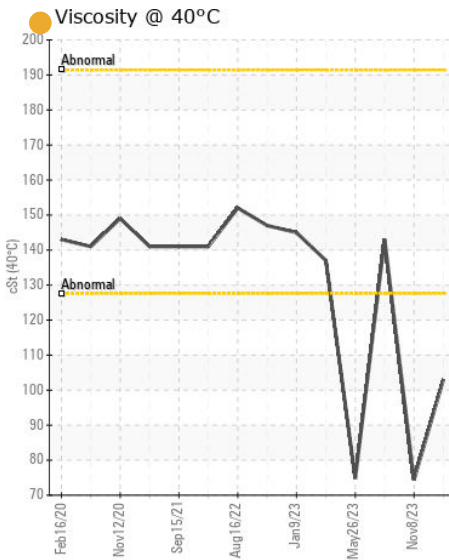
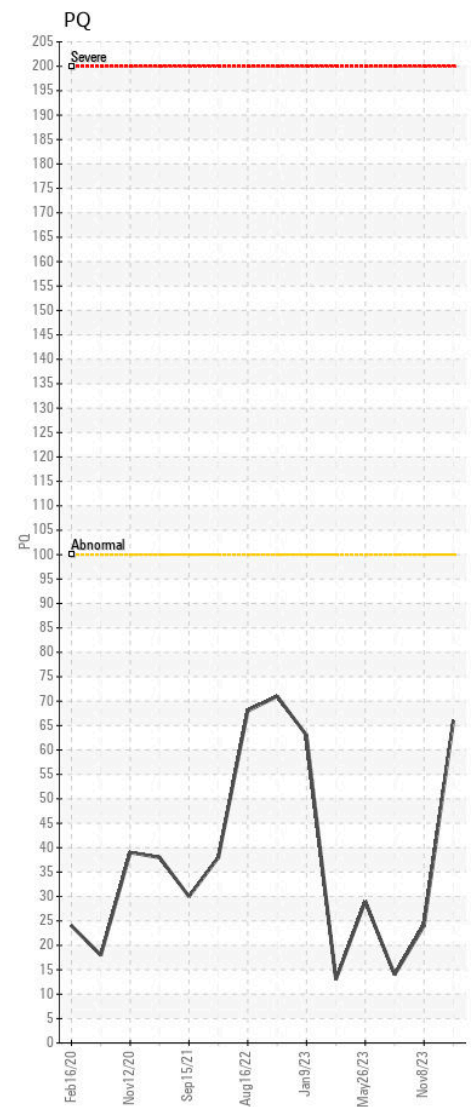
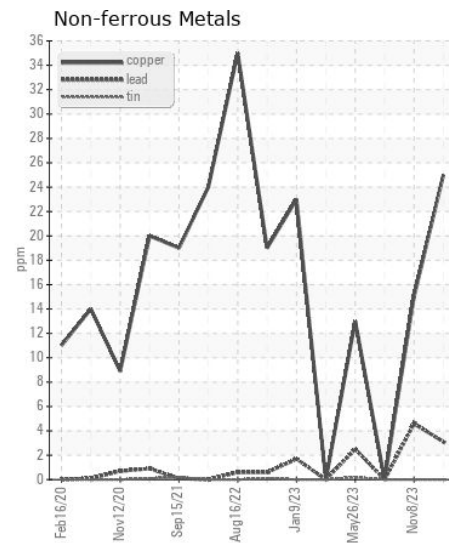
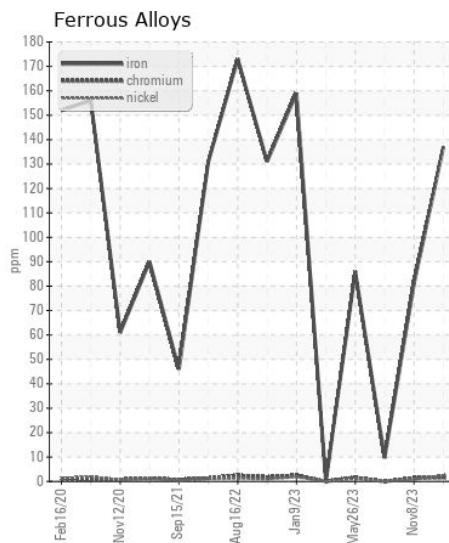
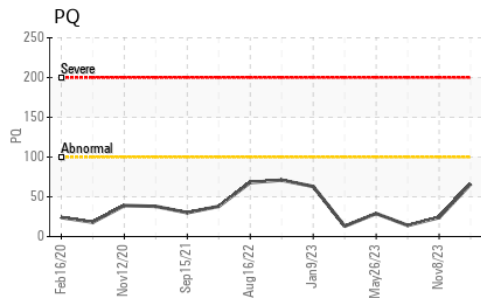
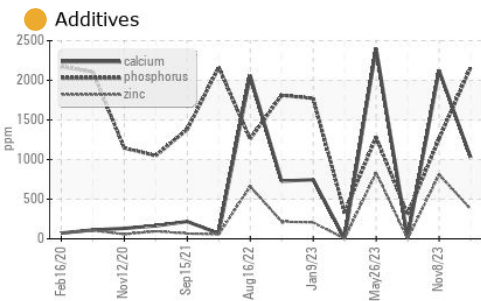
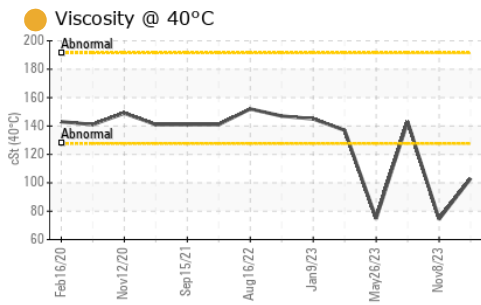
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	16	6	3
Potassium	ppm	ASTM D5185m	>20	<1	0	<1
Water		WC Method	>.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	>.2	NEG	NEG	NEG

FLUID CONDITION

The oil viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

Sodium	ppm	ASTM D5185m		<1	<1	0
Boron	ppm	ASTM D5185m		119	17	0
Barium	ppm	ASTM D5185m		0	2	0
Molybdenum	ppm	ASTM D5185m		2	2	0
Manganese	ppm	ASTM D5185m		1	<1	0
Magnesium	ppm	ASTM D5185m		41	76	0
Calcium	ppm	ASTM D5185m		1029	2123	11
Phosphorus	ppm	ASTM D5185m		2164	1265	307
Zinc	ppm	ASTM D5185m		377	811	0
Sulfur	ppm	ASTM D5185m		15341	8670	21625
Visc @ 40°C	cSt	ASTM D445		103	74.4	143



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0202345 **Received** : 29 Feb 2024
Lab Number : 06104566 **Tested** : 01 Mar 2024
Unique Number : 10902796 **Diagnosed** : 04 Mar 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)