



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION

Machine Id
JOHN DEERE 844K 1DW844KXAA0633203
 Component
Front Left Final Drive
 Fluid
JOHN DEERE GL-5 80W90 (36 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0213831	JR0189630	JRMC434946
Sample Date		Client Info		13 Jun 2024	01 Nov 2023	04 Mar 2019
Machine Age	hrs	Client Info		28585	11712	16611
Oil Age	hrs	Client Info		28585	0	500
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	N/A	Not Changd
Filter Changed		Client Info		N/A	N/A	Not Changd
Sample Status				ATTENTION	SEVERE	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	47	122	62
Iron	ppm	ASTM D5185m	>750	352	▲ 2371	1178
Chromium	ppm	ASTM D5185m	>9	<1	▲ 12	5
Nickel	ppm	ASTM D5185m	>10	1	8	4
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>40	2	● 8	4
Lead	ppm	ASTM D5185m	>15	0	<1	1
Copper	ppm	ASTM D5185m	>40	4	57	61
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	MODER	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

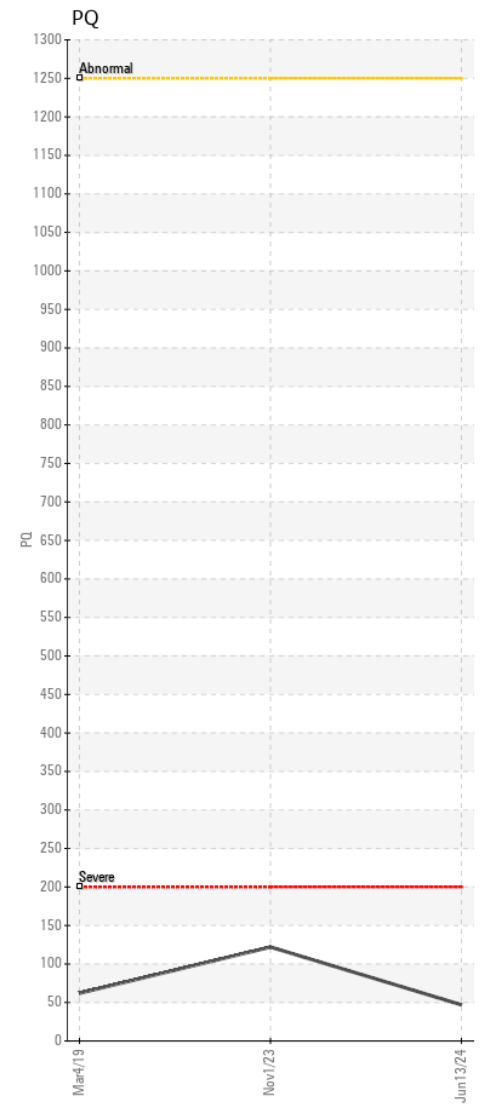
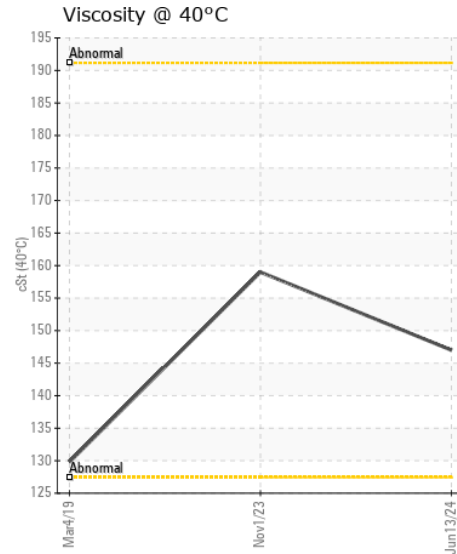
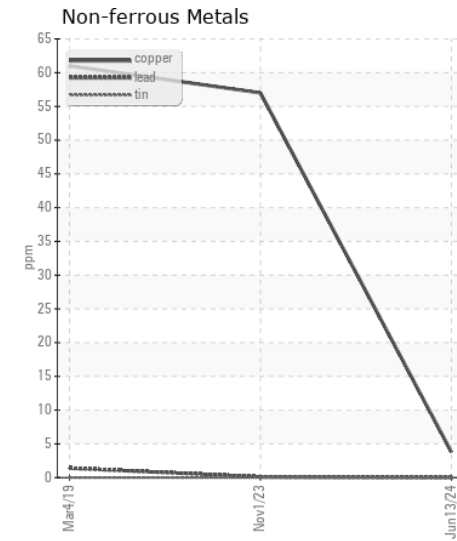
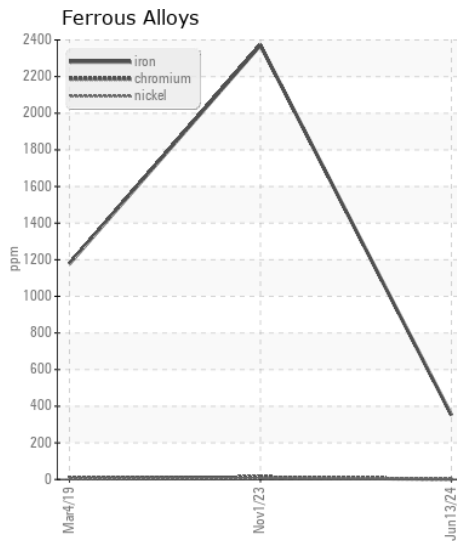
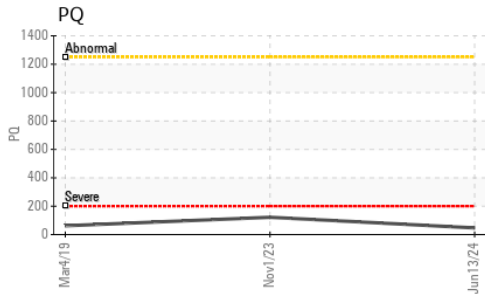
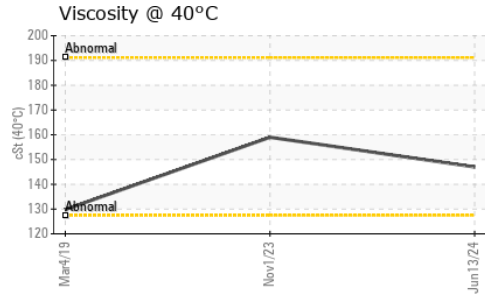
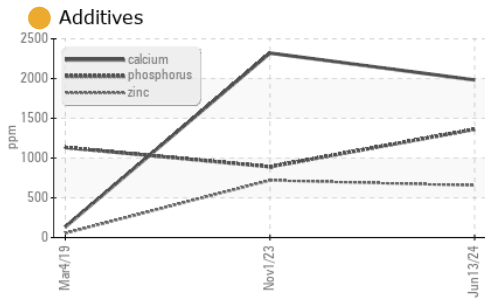
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	14	▲ 79	25
Potassium	ppm	ASTM D5185m	>20	3	2	1
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

Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type. The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	8	0	8
Boron	ppm	ASTM D5185m		● 6	72	63
Barium	ppm	ASTM D5185m		0	4	0
Molybdenum	ppm	ASTM D5185m		1	3	0
Manganese	ppm	ASTM D5185m		4	16	8
Magnesium	ppm	ASTM D5185m		26	24	0
Calcium	ppm	ASTM D5185m		● 1982	2320	135
Phosphorus	ppm	ASTM D5185m		● 1361	890	1133
Zinc	ppm	ASTM D5185m		● 654	719	52
Sulfur	ppm	ASTM D5185m		16556	12283	25620
Visc @ 40°C	cSt	ASTM D445		147	159	129.8



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0213831 **Received** : 17 Jun 2024
Lab Number : 06212018 **Tested** : 18 Jun 2024
Unique Number : 11084882 **Diagnosed** : 19 Jun 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

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

Contact: GREENVILLE SHOP
 christopher.martin@jamesriverequipment.com

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)

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