



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[W8542]
 Machine Id
JOHN DEERE 470G 1FF470GXEMF236612
 Component
Right Swing Drive Gear Case
 Fluid
JOHN DEERE GL-5 80W90 (7 QTS)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: W8542)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0197008	JR0118443	JR0108773
Sample Date		Client Info		22 Feb 2024	19 Feb 2022	15 Nov 2021
Machine Age	hrs	Client Info		3260	0	1103
Oil Age	hrs	Client Info		2157	500	500
Filter Age	hrs	Client Info		0	500	500
Oil Changed		Client Info		Not Changd	Changed	Changed
Filter Changed		Client Info		None	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		24	29	17
Iron	ppm	ASTM D5185m	>200	54	65	3
Chromium	ppm	ASTM D5185m	>10	<1	<1	0
Nickel	ppm	ASTM D5185m	>10	<1	0	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m		1	1	<1
Lead	ppm	ASTM D5185m		<1	0	0
Copper	ppm	ASTM D5185m		1	<1	0
Tin	ppm	ASTM D5185m		<1	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

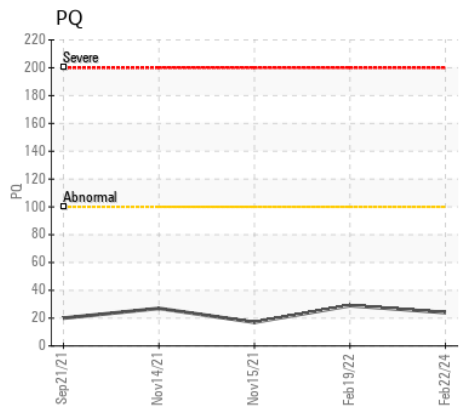
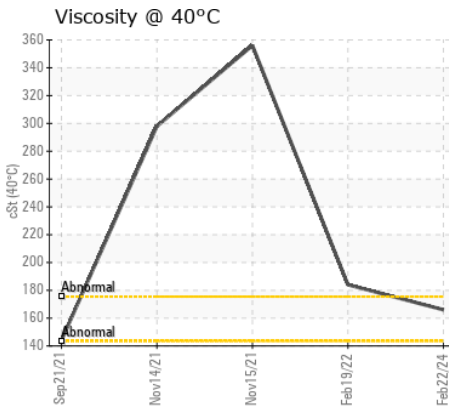
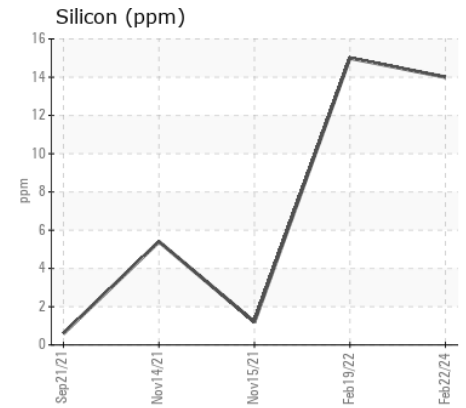
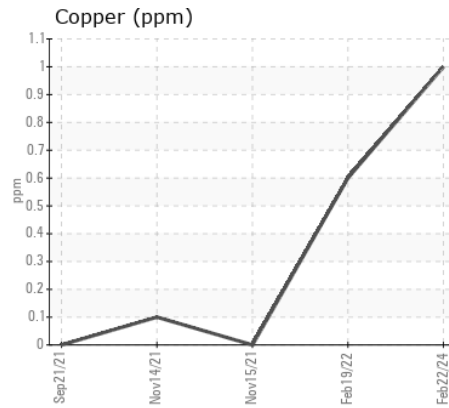
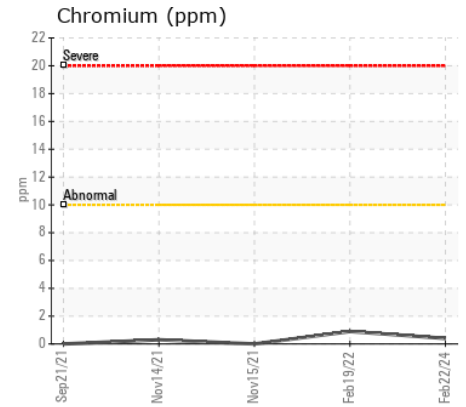
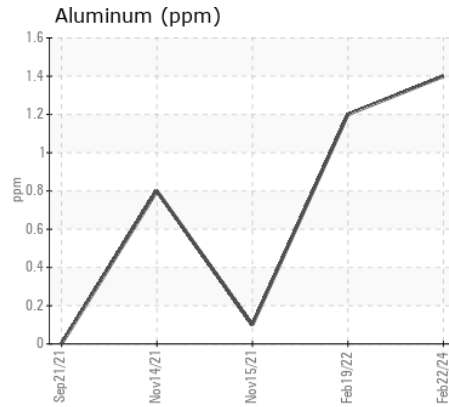
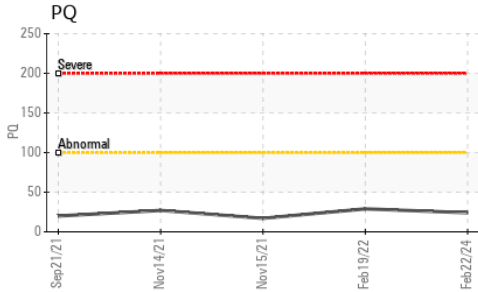
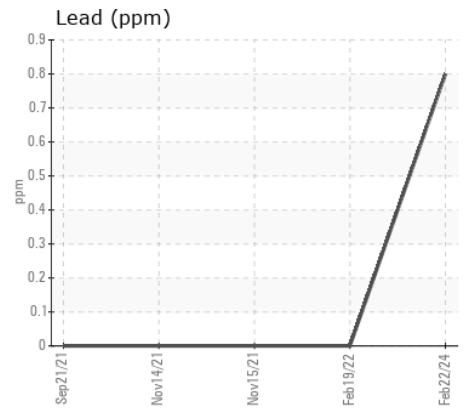
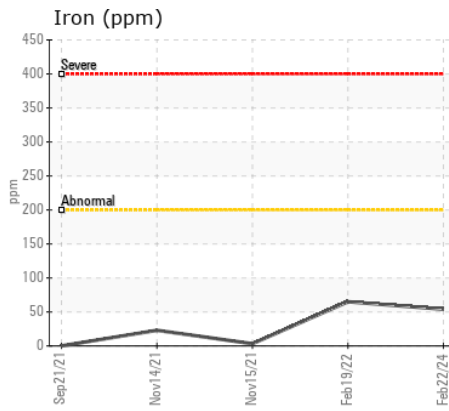
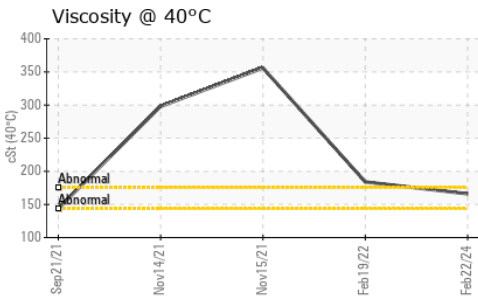
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m		14	15	1
Potassium	ppm	ASTM D5185m	>20	2	0	0
Water		WC Method	>0.2	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	>0.2	NEG	NEG	NEG

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		2	1	2
Boron	ppm	ASTM D5185m		57	82	25
Barium	ppm	ASTM D5185m		3	2	0
Molybdenum	ppm	ASTM D5185m		0	<1	0
Manganese	ppm	ASTM D5185m		2	2	0
Magnesium	ppm	ASTM D5185m		20	2	<1
Calcium	ppm	ASTM D5185m		27	31	1
Phosphorus	ppm	ASTM D5185m		527	503	1794
Zinc	ppm	ASTM D5185m		4	9	14
Sulfur	ppm	ASTM D5185m		17029	13098	32813
Visc @ 40°C	cSt	ASTM D445		166	184	356



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0197008 **Received** : 26 Feb 2024
Lab Number : 06100347 **Tested** : 27 Feb 2024
Unique Number : 10898577 **Diagnosed** : 28 Feb 2024 - Don Baldrige
Test Package : MOBCE (Additional Tests: PQ)

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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