



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[W8542]
 Machine Id
JOHN DEERE 470G 1FF470GXEMF236612
 Component
Right Final Drive
 Fluid
JOHN DEERE GL-5 80W90 (3 GAL)

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		JR0197009	JR0118491	JR0108775
Sample Date		Client Info		22 Feb 2024	19 Feb 2022	14 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	>1250	126	132	16
Iron	ppm	ASTM D5185m	>750	402	195	2
Chromium	ppm	ASTM D5185m	>9	7	4	<1
Nickel	ppm	ASTM D5185m	>10	2	0	0
Titanium	ppm	ASTM D5185m		1	1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	21	16	<1
Lead	ppm	ASTM D5185m	>15	<1	0	0
Copper	ppm	ASTM D5185m	>40	2	<1	0
Tin	ppm	ASTM D5185m	>10	<1	<1	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	MODER	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

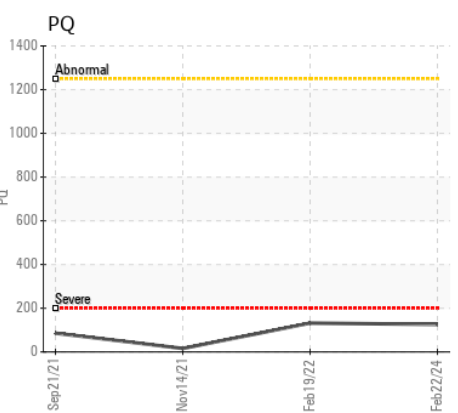
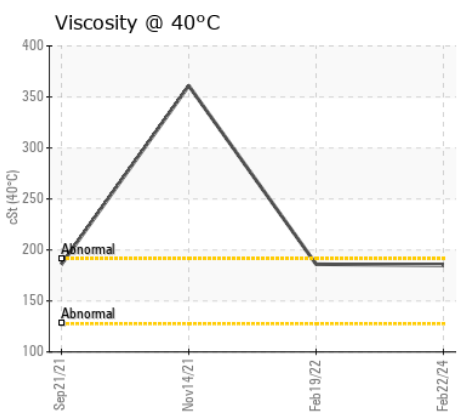
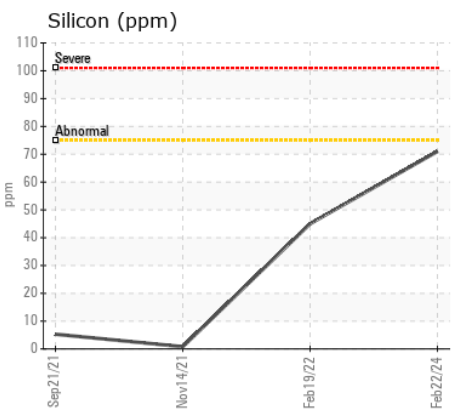
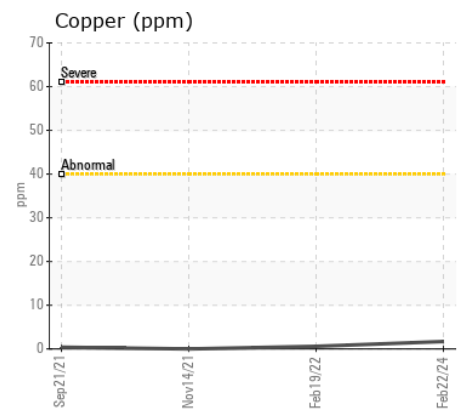
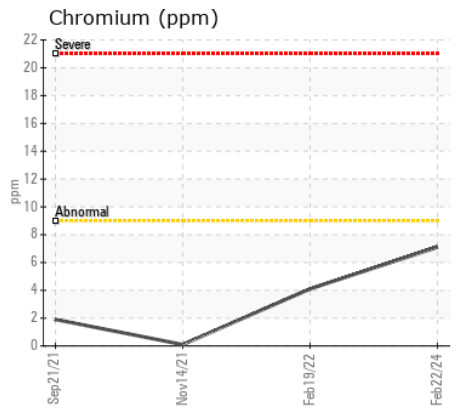
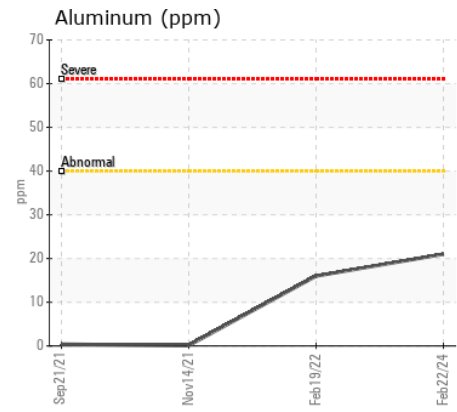
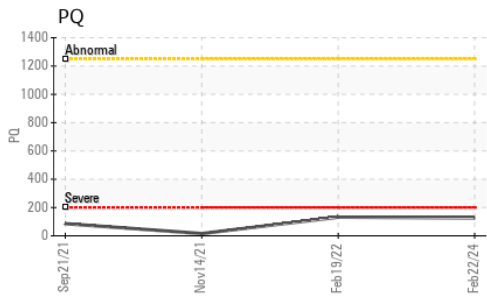
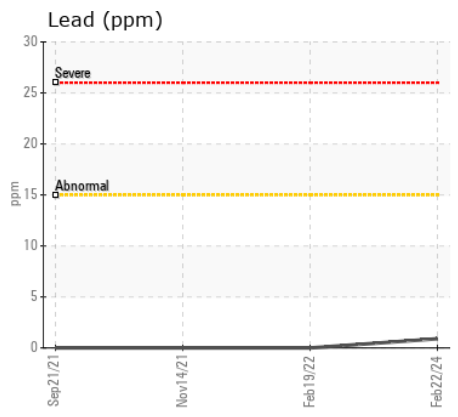
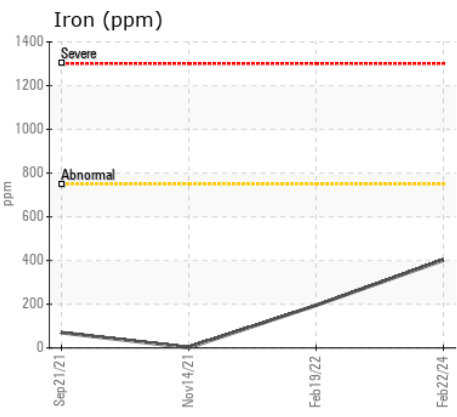
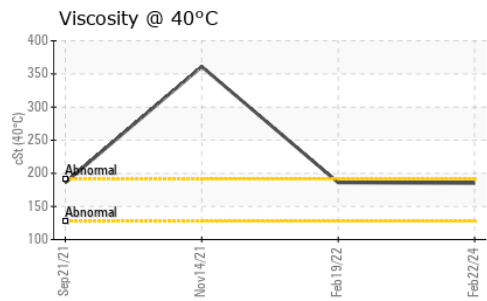
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	71	45	<1
Potassium	ppm	ASTM D5185m	>20	13	6	0
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	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	4	<1	2
Boron	ppm	ASTM D5185m		36	46	24
Barium	ppm	ASTM D5185m		13	8	0
Molybdenum	ppm	ASTM D5185m		0	<1	<1
Manganese	ppm	ASTM D5185m		10	6	0
Magnesium	ppm	ASTM D5185m		4	4	<1
Calcium	ppm	ASTM D5185m		33	62	2
Phosphorus	ppm	ASTM D5185m		473	520	1820
Zinc	ppm	ASTM D5185m		51	48	17
Sulfur	ppm	ASTM D5185m		14543	13345	33327
Visc @ 40°C	cSt	ASTM D445		185	186	361



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0197009
Lab Number : 06100345
Unique Number : 10898575
Test Package : MOBCE (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)