



WEAR	ATTENTION
CONTAMINATION	SEVERE
FLUID CONDITION	NORMAL

Area
[COVENANT CREW]
 Machine Id
JOHN DEERE 135G 1FF135GXTGF500057
 Component
Right Final Drive
 Fluid
JOHN DEERE GL-5 80W90 (4 GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system.
 We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0202350	JR0186276	JR0163448
Sample Date		Client Info		21 Feb 2024	15 Nov 2023	02 Apr 2023
Machine Age	hrs	Client Info		4361	4142	3686
Oil Age	hrs	Client Info		4361	2419	3686
Filter Age	hrs	Client Info		4361	0	0
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Filter Changed		Client Info		Not Changd	N/A	N/A
Sample Status				SEVERE	SEVERE	SEVERE

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	85	1335	1477
Iron	ppm	ASTM D5185m	>750	218	▲ 1262	▲ 2718
Chromium	ppm	ASTM D5185m	>9	2	▲ 11	▲ 19
Nickel	ppm	ASTM D5185m	>10	2	8	7
Titanium	ppm	ASTM D5185m		4	8	9
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>40	▲ 56	▲ 109	▲ 70
Lead	ppm	ASTM D5185m	>15	0	0	0
Copper	ppm	ASTM D5185m	>40	<1	3	5
Tin	ppm	ASTM D5185m	>10	<1	1	0
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

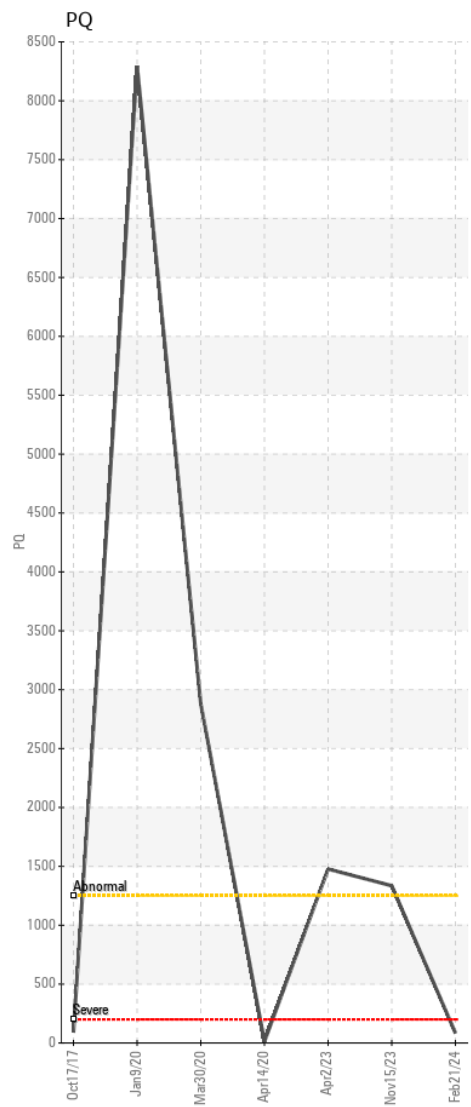
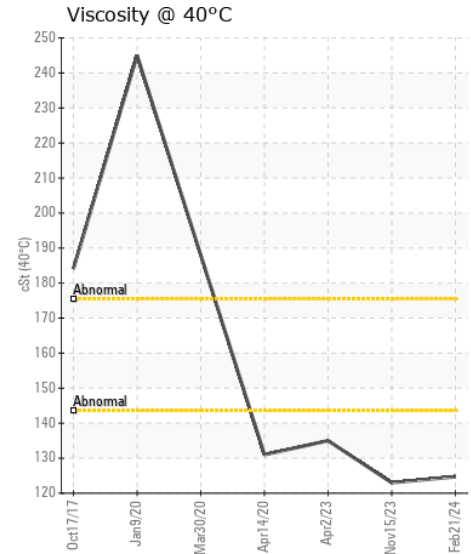
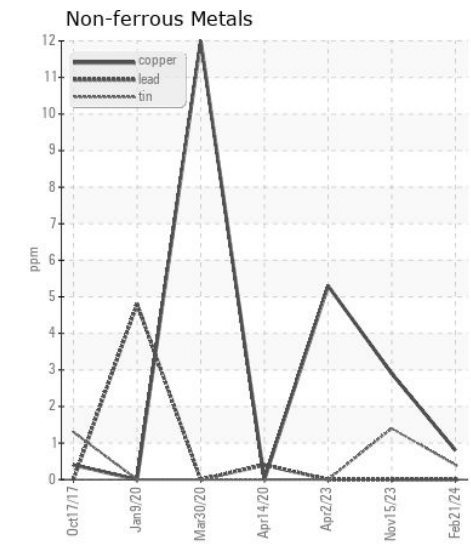
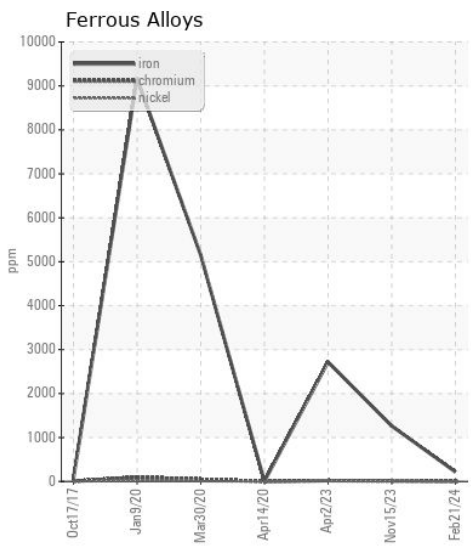
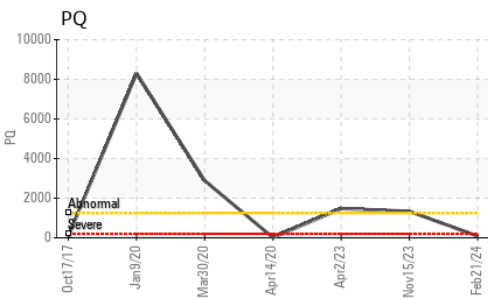
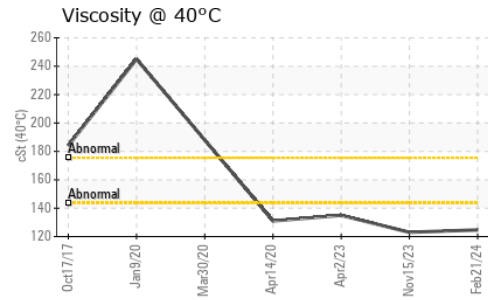
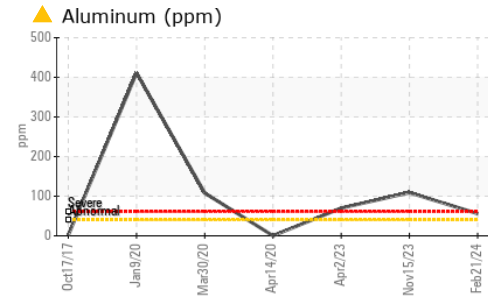
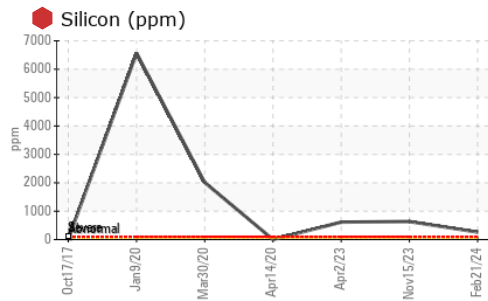
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m	>75	● 262	● 635	● 614
Potassium	ppm	ASTM D5185m	>20	27	60	11
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	● 0.2%	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	5	9	2
Boron	ppm	ASTM D5185m		2	6	6
Barium	ppm	ASTM D5185m		0	2	0
Molybdenum	ppm	ASTM D5185m		0	<1	1
Manganese	ppm	ASTM D5185m		2	9	16
Magnesium	ppm	ASTM D5185m		5	18	20
Calcium	ppm	ASTM D5185m		31	182	122
Phosphorus	ppm	ASTM D5185m		338	442	353
Zinc	ppm	ASTM D5185m		12	90	98
Sulfur	ppm	ASTM D5185m		16345	16645	18027
Visc @ 40°C	cSt	ASTM D445		124.7	123	135



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0202350 **Received** : 23 Feb 2024
Lab Number : 06098850 **Tested** : 23 Feb 2024
Unique Number : 10897080 **Diagnosed** : 23 Feb 2024 - Doug Bogart
Test Package : CONST (Additional Tests: PQ)

JRE - GARNER
 4161 AUBURN CHURCH RD
 GARNER, NC
 US 27529

Contact: RALEIGH SHOP
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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)

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