



Machine Id
JOHN DEERE 35G 1FF035GXJHK280279
 Component
Right Final Drive
 Fluid
JOHN DEERE GL-5 80W90 (--- GAL)

RECOMMENDATION

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

WEAR

Gear wear is indicated.

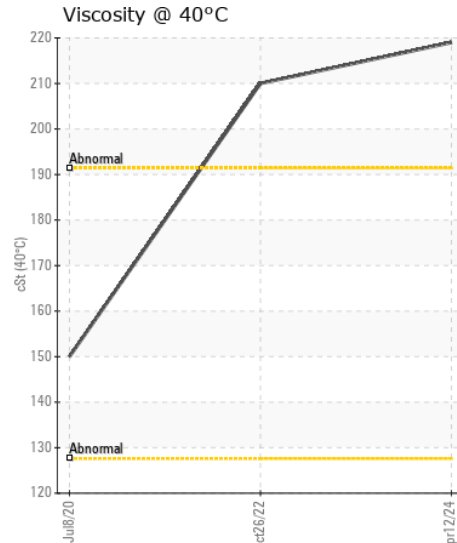
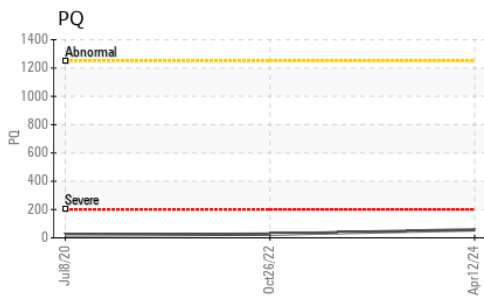
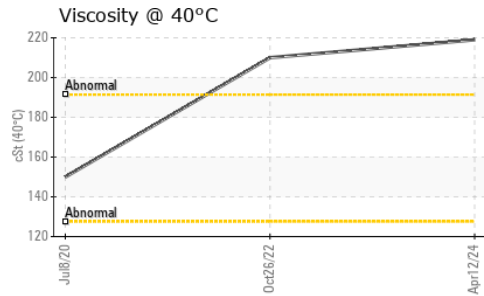
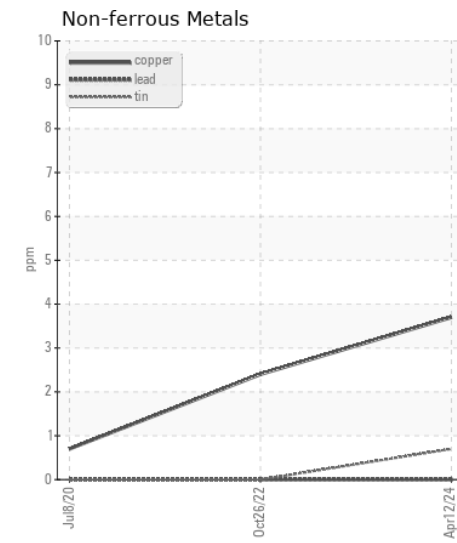
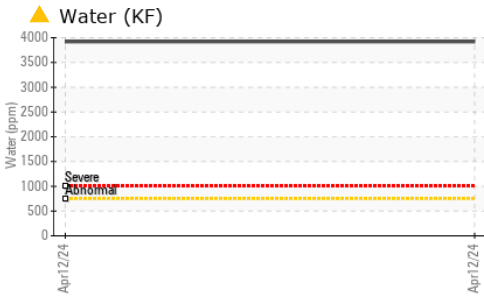
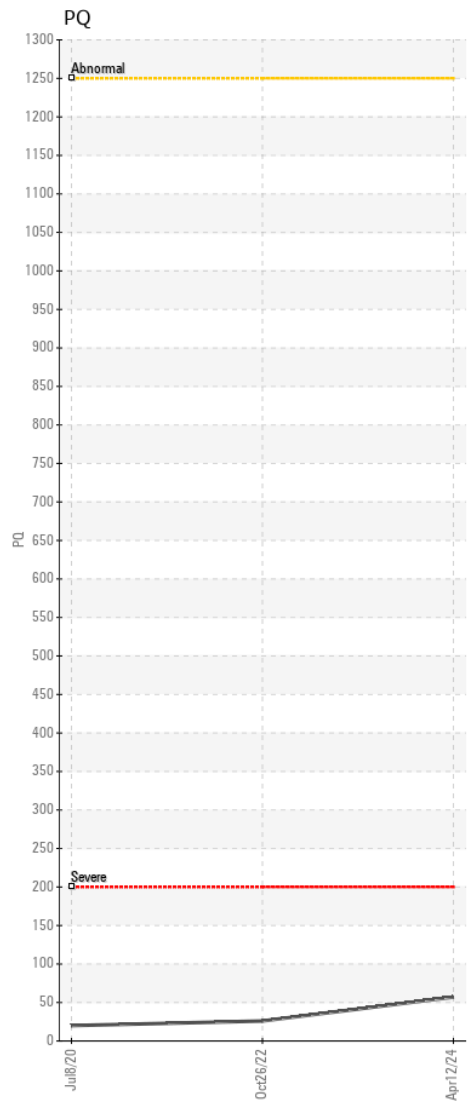
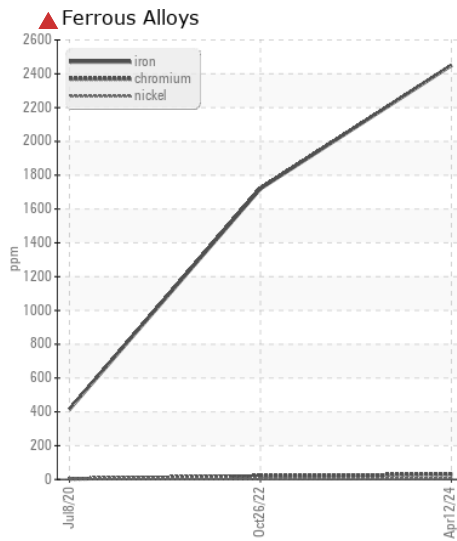
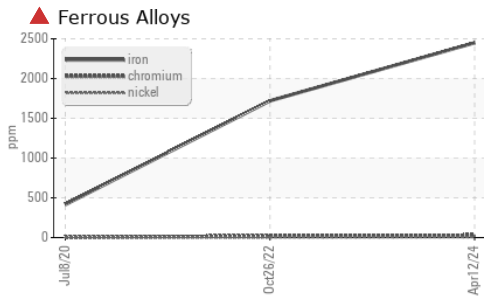
CONTAMINATION

There is a moderate concentration of water present in the oil.

FLUID CONDITION

The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0209170	JR0144886	JR0055101
Sample Date		Client Info		12 Apr 2024	26 Oct 2022	08 Jul 2020
Machine Age	hrs	Client Info		15435	13541	10480
Oil Age	hrs	Client Info		0	13541	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Filter Changed		Client Info		Not Changd	None	Not Changd
Sample Status				SEVERE	NORMAL	NORMAL
PQ		ASTM D8184	>1250	57	26	20
Iron	ppm	ASTM D5185m	>750	▲ 2450	1720	415
Chromium	ppm	ASTM D5185m	>9	▲ 30	20	3
Nickel	ppm	ASTM D5185m	>10	5	1	2
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	14	17	5
Lead	ppm	ASTM D5185m	>15	0	0	0
Copper	ppm	ASTM D5185m	>40	4	2	<1
Tin	ppm	ASTM D5185m	>10	<1	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	VLITE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	66	56	16
Potassium	ppm	ASTM D5185m	>20	6	4	0
Water	%	ASTM D6304	>0.075	▲ 0.392	---	---
ppm Water	ppm	ASTM D6304	>750	▲ 3920	---	---
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	▲ 0.2%	NEG	NEG
Sodium	ppm	ASTM D5185m	>51	5	0	3
Boron	ppm	ASTM D5185m		47	44	26
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	1	0
Manganese	ppm	ASTM D5185m		24	20	4
Magnesium	ppm	ASTM D5185m		5	4	2
Calcium	ppm	ASTM D5185m		106	128	10
Phosphorus	ppm	ASTM D5185m		1780	1408	1781
Zinc	ppm	ASTM D5185m		20	28	30
Sulfur	ppm	ASTM D5185m		25951	24361	23901
Visc @ 40°C	cSt	ASTM D445		219	210	150



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0209170 **Received** : 17 Apr 2024
Lab Number : 06152225 **Tested** : 22 Apr 2024
Unique Number : 10982303 **Diagnosed** : 22 Apr 2024 - Don Baldrige
Test Package : CONST (Additional Tests: KF, PQ)

JRE - GARNER
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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)