



WEAR	SEVERE
CONTAMINATION	SEVERE
FLUID CONDITION	NORMAL



Area
[W52665]
 Machine Id
JOHN DEERE 350GLC 1FF350GXLDE809738
 Component
Left Final Drive
 Fluid
JOHN DEERE GL-5 80W90 (--- GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. 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.

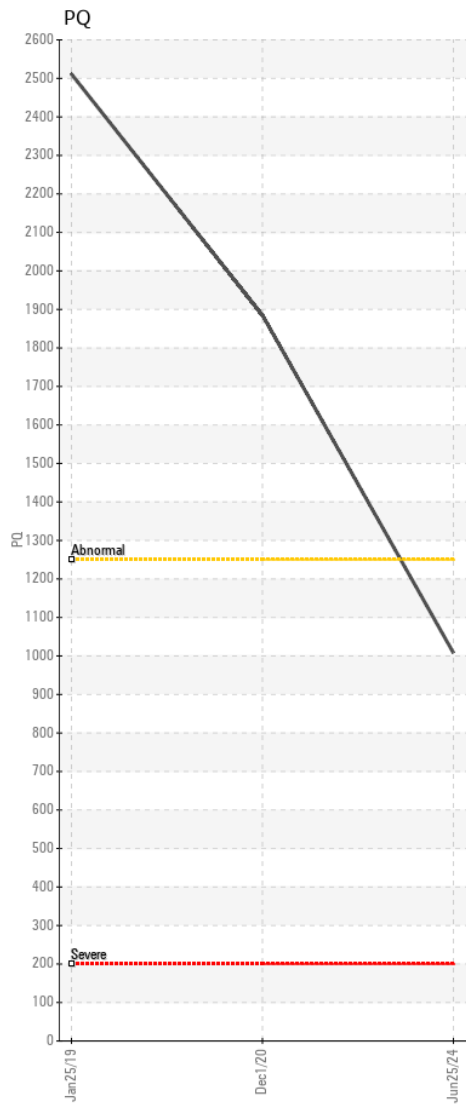
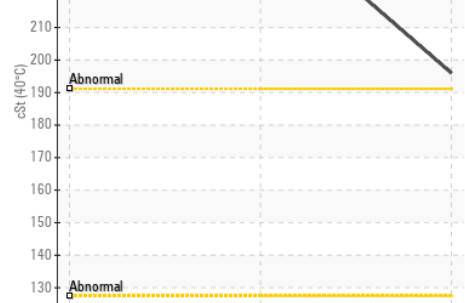
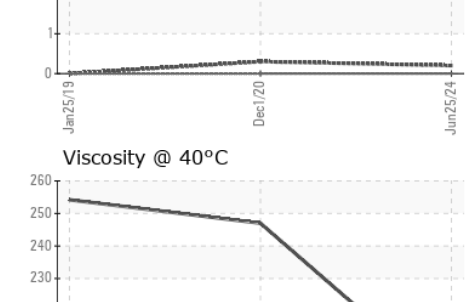
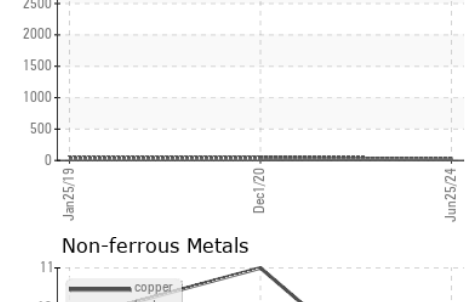
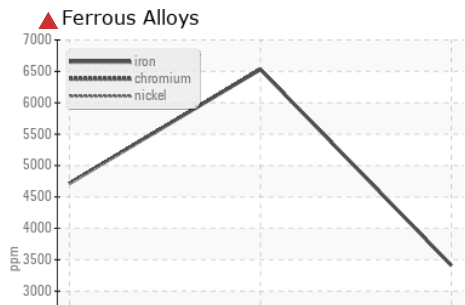
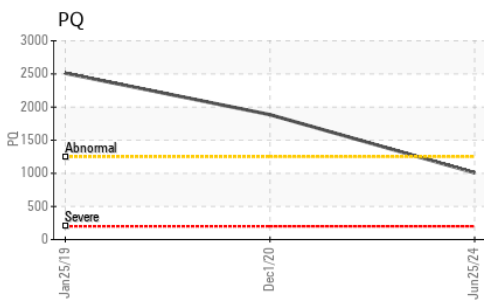
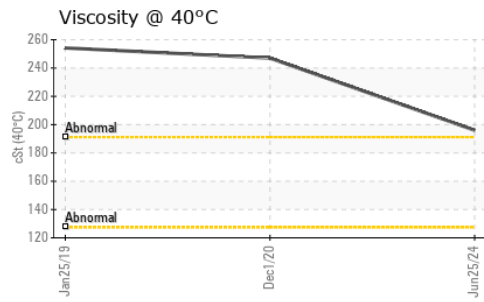
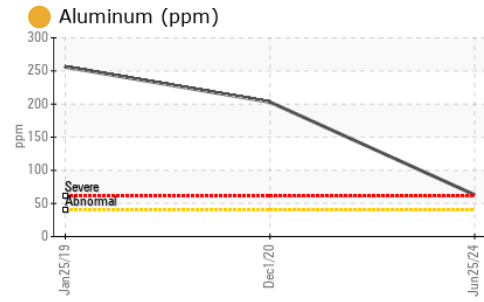
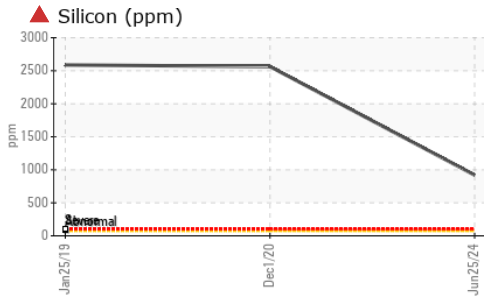
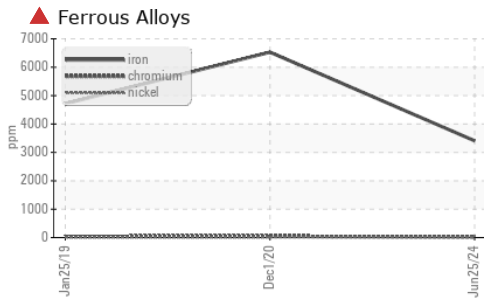
CONTAMINATION

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

FLUID CONDITION

The oil is no longer serviceable due to the presence of contaminants.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0224889	JR0068471	JRMC472384
Sample Date		Client Info		25 Jun 2024	01 Dec 2020	25 Jan 2019
Machine Age	hrs	Client Info		7956	5967	4456
Oil Age	hrs	Client Info		0	2000	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				SEVERE	SEVERE	SEVERE
PQ		ASTM D8184	>1250	1008	1885	▲ 2511
Iron	ppm	ASTM D5185m	>750	▲ 3408	▲ 6530	▲ 4716
Chromium	ppm	ASTM D5185m	>9	▲ 22	▲ 46	▲ 39
Nickel	ppm	ASTM D5185m	>10	6	9	9
Titanium	ppm	ASTM D5185m		13	32	42
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>40	● 63	● 203	● 256
Lead	ppm	ASTM D5185m	>15	<1	<1	0
Copper	ppm	ASTM D5185m	>40	7	11	10
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		1	<1	2
White Metal	scalar	*Visual	NONE	MODER	▲ MODER	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	▲ 920	▲ 2563	▲ 2588
Potassium	ppm	ASTM D5185m	>20	16	36	58
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
Sodium	ppm	ASTM D5185m	>51	2	7	8
Boron	ppm	ASTM D5185m		105	16	31
Barium	ppm	ASTM D5185m		<1	3	5
Molybdenum	ppm	ASTM D5185m		2	0	0
Manganese	ppm	ASTM D5185m		26	48	36
Magnesium	ppm	ASTM D5185m		4	10	12
Calcium	ppm	ASTM D5185m		3	14	20
Phosphorus	ppm	ASTM D5185m		1238	1644	301
Zinc	ppm	ASTM D5185m		13	24	37
Sulfur	ppm	ASTM D5185m		29243	26378	36589
Visc @ 40°C	cSt	ASTM D445		196	247	254.2



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0224889 **Received** : 01 Jul 2024
Lab Number : 06224812 **Tested** : 02 Jul 2024
Unique Number : 11103009 **Diagnosed** : 02 Jul 2024 - Don Baldrige
Test Package : CONST (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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