



Area
[44640]
 Machine Id
JOHN DEERE 325G 1T0325GKCMJ390362
 Component
Left Final Drive
 Fluid
JOHN DEERE GL-5 80W90 (--- QTS)

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 recommend an early resample to monitor this condition.

WEAR

Gear wear is indicated.

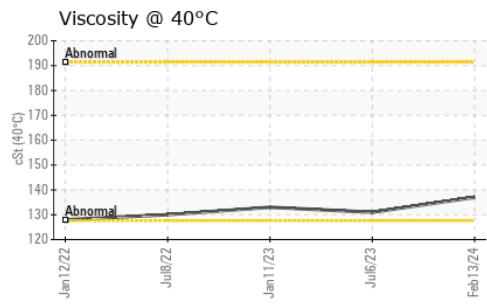
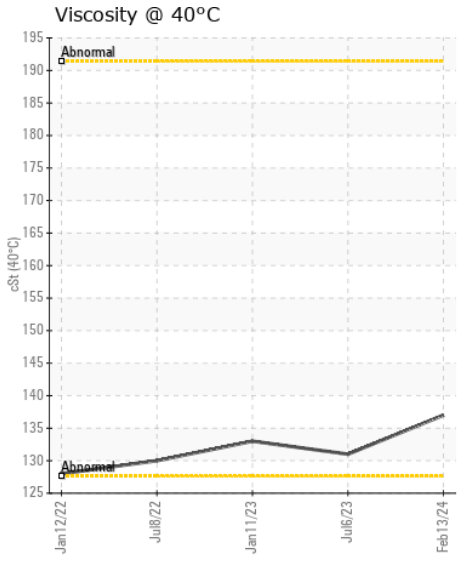
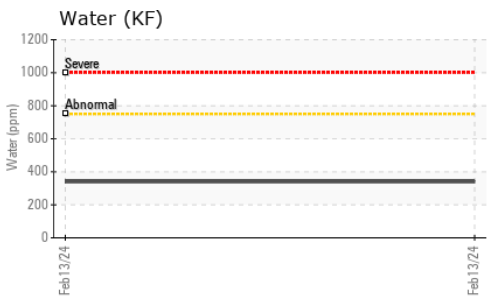
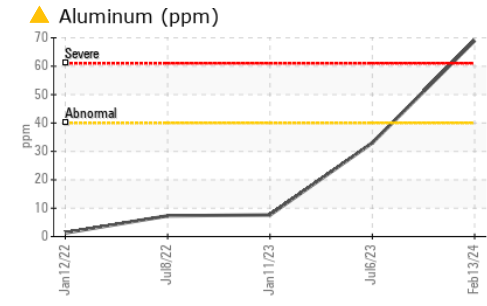
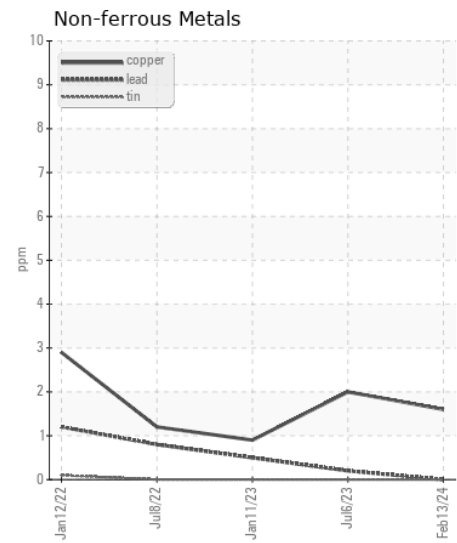
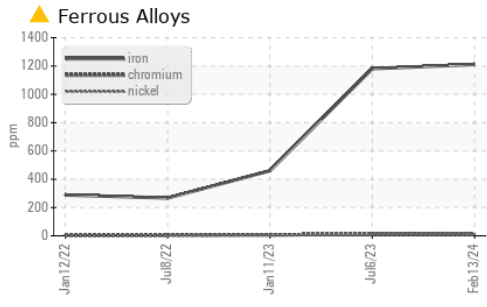
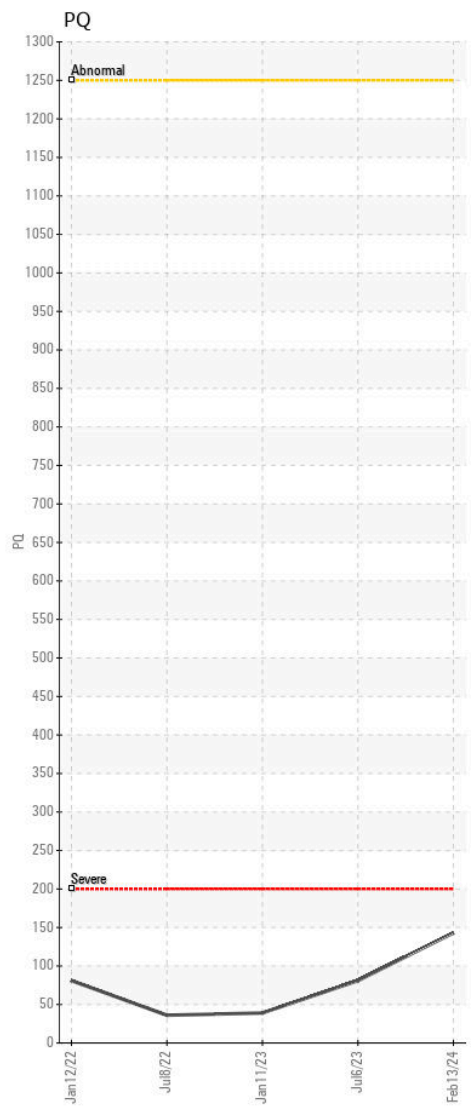
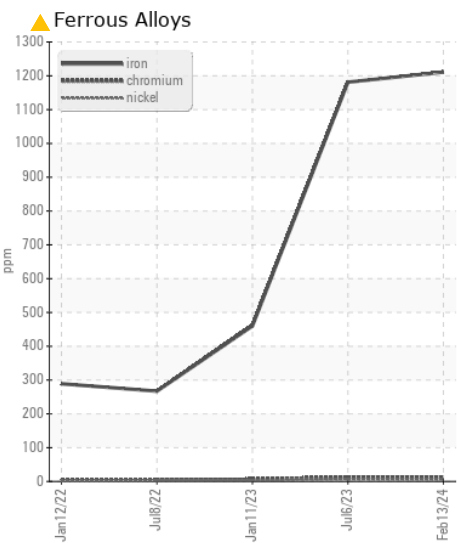
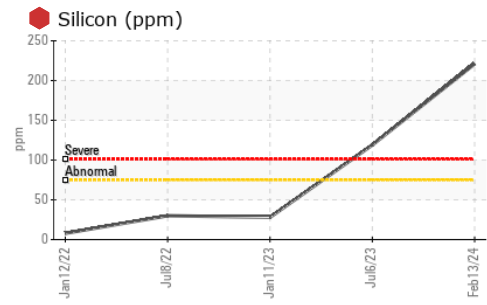
CONTAMINATION

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The water content is negligible.

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		JR0203356	JR0176409	JR0157467
Sample Date		Client Info		13 Feb 2024	06 Jul 2023	11 Jan 2023
Machine Age	hrs	Client Info		2437	1930	1437
Oil Age	hrs	Client Info		507	1449	481
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Not Changd
Filter Changed		Client Info		N/A	None	None
Sample Status				SEVERE	ABNORMAL	NORMAL
PQ		ASTM D8184	>1250	143	81	39
Iron	ppm	ASTM D5185m	>750	▲ 1211	1181	460
Chromium	ppm	ASTM D5185m	>9	▲ 13	13	6
Nickel	ppm	ASTM D5185m	>10	5	6	3
Titanium	ppm	ASTM D5185m		5	2	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	▲ 69	▲ 33	8
Lead	ppm	ASTM D5185m	>15	0	<1	<1
Copper	ppm	ASTM D5185m	>40	2	2	<1
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		<1	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	◆ 221	▲ 119	28
Potassium	ppm	ASTM D5185m	>20	25	21	9
Water	%	ASTM D6304	>0.075	0.034	---	---
ppm Water	ppm	ASTM D6304	>750	340	---	---
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	LIGHT
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	8	0	3
Boron	ppm	ASTM D5185m		14	19	11
Barium	ppm	ASTM D5185m		16	13	2
Molybdenum	ppm	ASTM D5185m		2	3	3
Manganese	ppm	ASTM D5185m		11	11	4
Magnesium	ppm	ASTM D5185m		20	11	8
Calcium	ppm	ASTM D5185m		52	36	35
Phosphorus	ppm	ASTM D5185m		439	324	366
Zinc	ppm	ASTM D5185m		36	44	47
Sulfur	ppm	ASTM D5185m		26274	19310	20927
Visc @ 40°C	cSt	ASTM D445		137	131	133



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0203356 **Received** : 14 Feb 2024
Lab Number : 06089681 **Tested** : 16 Feb 2024
Unique Number : 10877126 **Diagnosed** : 16 Feb 2024 - Sean Felton
Test Package : CONST (Additional Tests: KF, PQ)

B & S SITE DEVELOPMENT
 7800 PINEY BRANCH LANE
 BRISTOW, VA
 US 20136
 Contact: DANNY HUFF
 dhuff@bandssite.com
 T: (540)270-3203
 F: (703)753-0605

Certificate L2367
 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)