



WEAR	SEVERE
CONTAMINATION	SEVERE
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 325G 1T0325GKVNJ421782
 Component
Right Final Drive
 Fluid
JOHN DEERE GL-5 80W90 (1 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

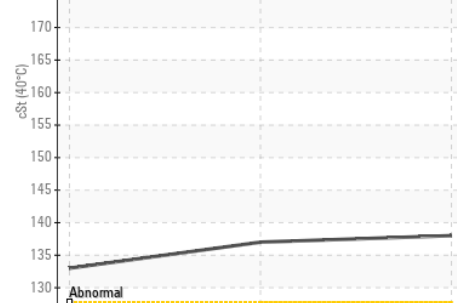
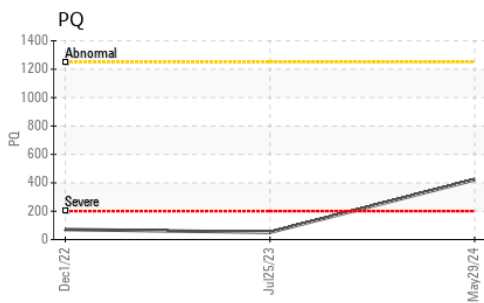
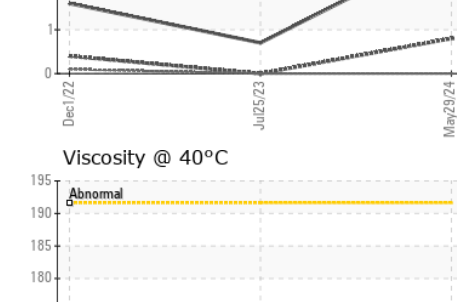
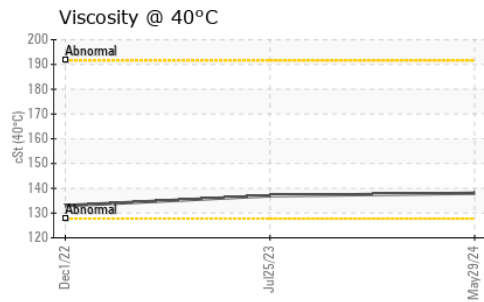
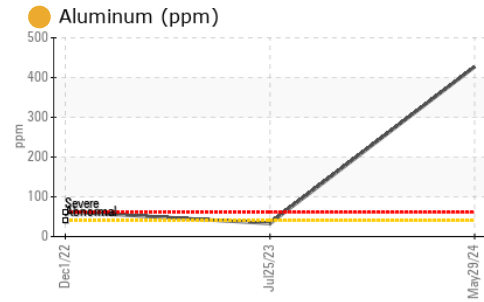
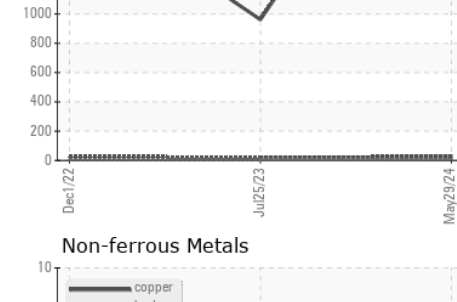
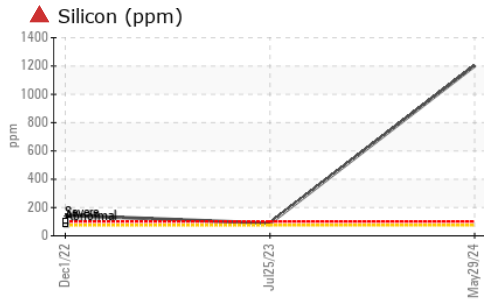
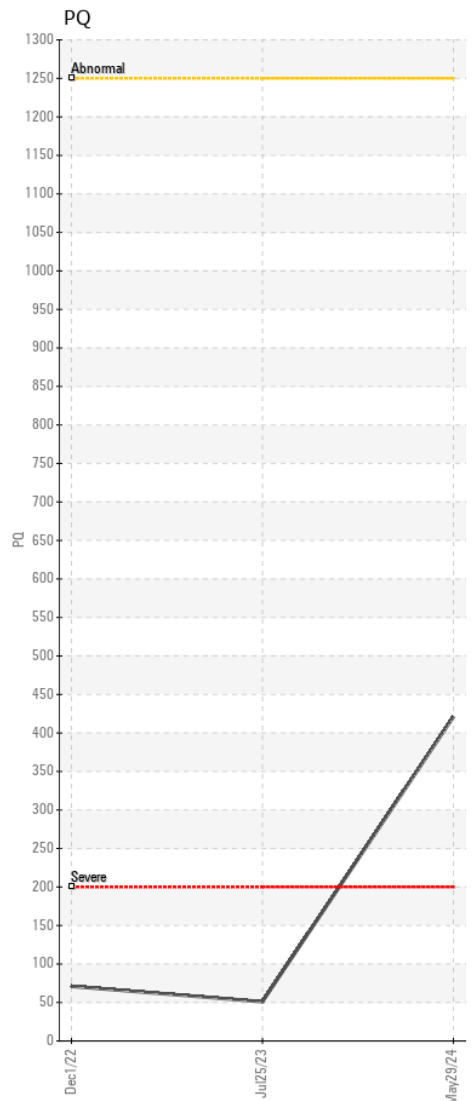
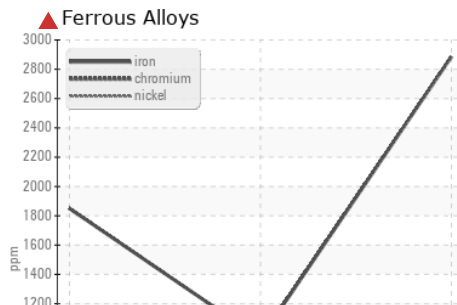
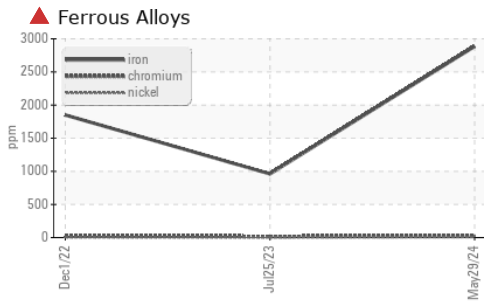
The oil is no longer serviceable due to the presence of contaminants.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0214559	JR0176467	JR0151729
Sample Date		Client Info		29 May 2024	25 Jul 2023	01 Dec 2022
Machine Age	hrs	Client Info		1438	952	551
Oil Age	hrs	Client Info		486	952	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		None	None	N/A
Sample Status				SEVERE	ABNORMAL	SEVERE

PQ		ASTM D8184	>1250	421	51	71
Iron	ppm	ASTM D5185m	>750	▲ 2886	▲ 961	▲ 1850
Chromium	ppm	ASTM D5185m	>9	▲ 27	▲ 16	▲ 29
Nickel	ppm	ASTM D5185m	>10	7	2	4
Titanium	ppm	ASTM D5185m		42	2	3
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	● 427	● 33	● 63
Lead	ppm	ASTM D5185m	>15	<1	0	<1
Copper	ppm	ASTM D5185m	>40	3	<1	2
Tin	ppm	ASTM D5185m	>10	0	0	<1
Vanadium	ppm	ASTM D5185m		2	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

Silicon	ppm	ASTM D5185m	>75	▲ 1202	▲ 89	▲ 145
Potassium	ppm	ASTM D5185m	>20	161	31	59
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	MODER	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	35	4	14
Boron	ppm	ASTM D5185m		124	34	67
Barium	ppm	ASTM D5185m		26	16	81
Molybdenum	ppm	ASTM D5185m		4	1	3
Manganese	ppm	ASTM D5185m		31	8	20
Magnesium	ppm	ASTM D5185m		65	2	13
Calcium	ppm	ASTM D5185m		272	18	37
Phosphorus	ppm	ASTM D5185m		498	509	935
Zinc	ppm	ASTM D5185m		49	4	33
Sulfur	ppm	ASTM D5185m		21164	23940	30358
Visc @ 40°C	cSt	ASTM D445		138	137	133



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0214559 **Received** : 31 May 2024
Lab Number : 06196928 **Tested** : 03 Jun 2024
Unique Number : 11059051 **Diagnosed** : 03 Jun 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

JRE - MANASSAS PARK
 9107 OWENS DRIVE
 MANASSAS PARK, VA
 US 20111
 Contact: DON VEST
 dvest@jamesriverequipment.com
 T: (703)631-8500
 F: (703)631-4715

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)