



WEAR	ABNORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 325G 1T0325GKVMJ408397
 Component
Left Final Drive
 Fluid
JOHN DEERE GL-5 80W90 (1 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. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0218092	JR0192164	JR0160124
Sample Date		Client Info		24 May 2024	15 Nov 2023	24 May 2023
Machine Age	hrs	Client Info		2958	2444	1932
Oil Age	hrs	Client Info		514	2444	967
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				ABNORMAL	NORMAL	NORMAL

WEAR

The chromium level is abnormal.

PQ		ASTM D8184	>1250	41	74	102
Iron	ppm	ASTM D5185m	>750	888	674	769
Chromium	ppm	ASTM D5185m	>9	▲ 27	16	15
Nickel	ppm	ASTM D5185m	>10	2	1	0
Titanium	ppm	ASTM D5185m		2	1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	● 17	14	5
Lead	ppm	ASTM D5185m	>15	<1	0	0
Copper	ppm	ASTM D5185m	>40	1	<1	<1
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

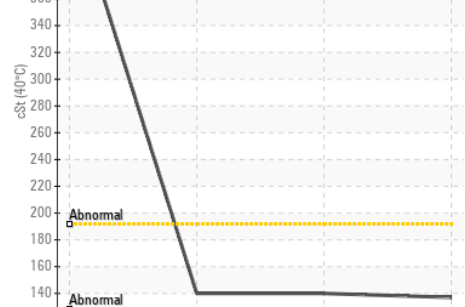
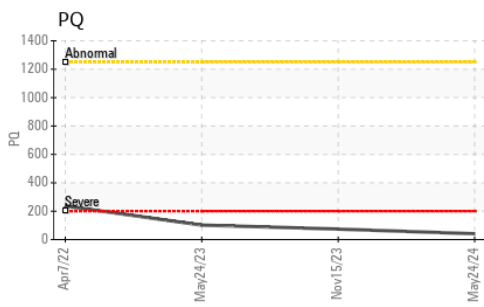
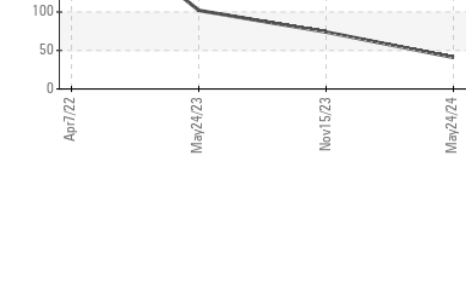
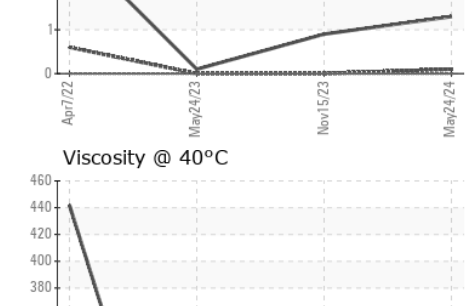
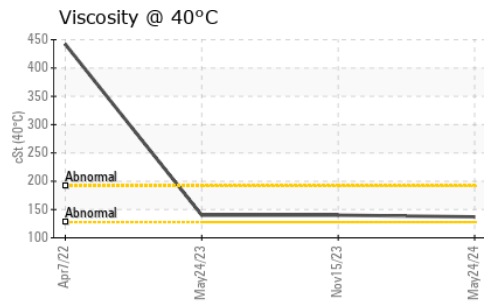
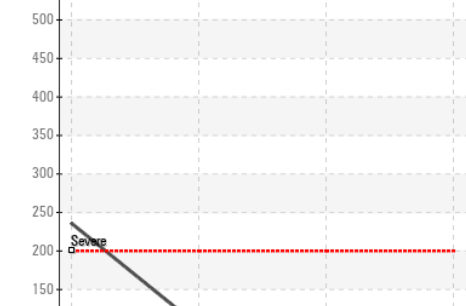
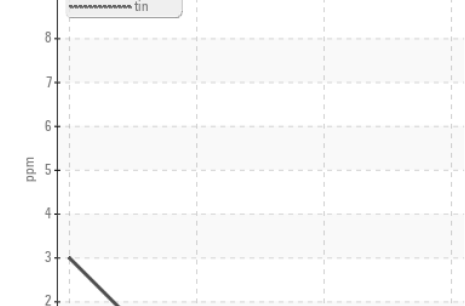
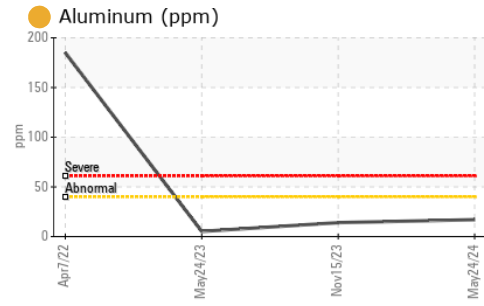
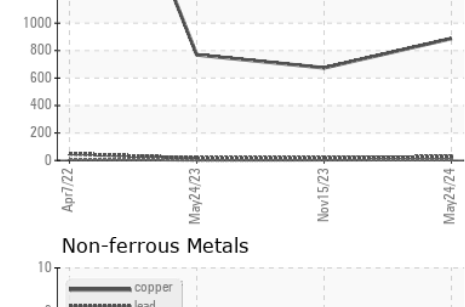
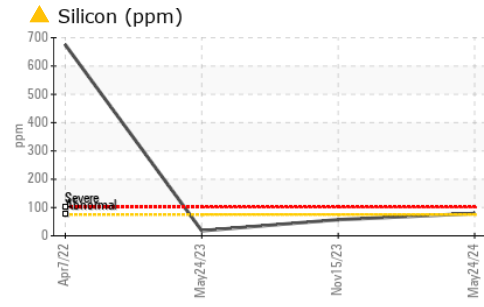
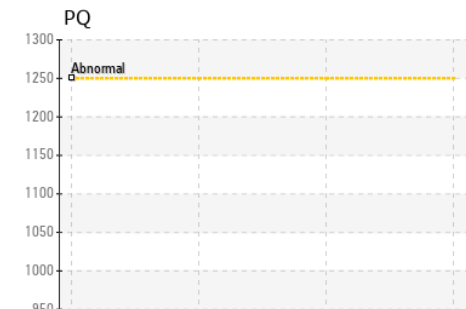
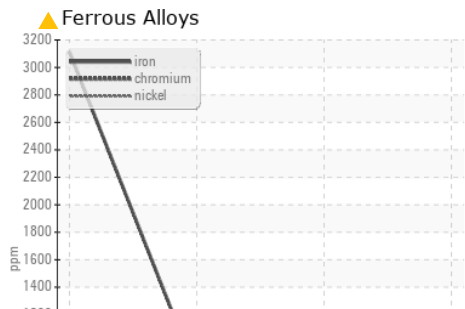
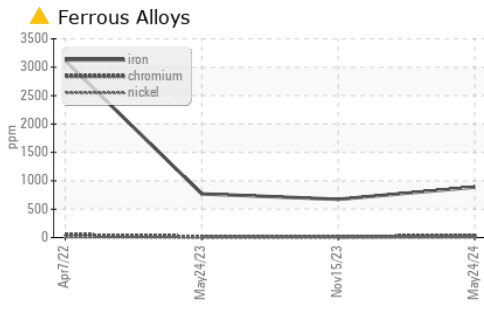
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m	>75	▲ 79	57	18
Potassium	ppm	ASTM D5185m	>20	7	8	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	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	6	3	8
Boron	ppm	ASTM D5185m		4	0	0
Barium	ppm	ASTM D5185m		21	47	35
Molybdenum	ppm	ASTM D5185m		4	2	0
Manganese	ppm	ASTM D5185m		7	6	9
Magnesium	ppm	ASTM D5185m		12	7	3
Calcium	ppm	ASTM D5185m		38	44	7
Phosphorus	ppm	ASTM D5185m		551	326	256
Zinc	ppm	ASTM D5185m		33	19	2
Sulfur	ppm	ASTM D5185m		28957	20085	19613
Visc @ 40°C	cSt	ASTM D445		137	140	140



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0218092 **Received** : 29 May 2024
Lab Number : 06194715 **Tested** : 31 May 2024
Unique Number : 11056838 **Diagnosed** : 31 May 2024 - Don Baldrige
Test Package : CONST (Additional Tests: 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

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)