



WEAR	SEVERE
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 325G 1T0325GKJNJ424209

Component
Left Final Drive

Fluid
JOHN DEERE GL-5 80W90 (--- GAL)

RECOMMENDATION

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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0199031	---	---
Sample Date		Client Info		05 Jan 2024	---	---
Machine Age	hrs	Client Info		477	---	---
Oil Age	hrs	Client Info		477	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		None	---	---
Sample Status				SEVERE	---	---

WEAR

Gear wear is indicated. Component wear metal level(s) high for break in.

PQ		ASTM D8184	>1250	341	---	---
Iron	ppm	ASTM D5185m	>750	1637	---	---
Chromium	ppm	ASTM D5185m	>9	30	---	---
Nickel	ppm	ASTM D5185m	>10	4	---	---
Titanium	ppm	ASTM D5185m		1	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>40	12	---	---
Lead	ppm	ASTM D5185m	>15	0	---	---
Copper	ppm	ASTM D5185m	>40	1	---	---
Tin	ppm	ASTM D5185m	>10	0	---	---
Vanadium	ppm	ASTM D5185m		<1	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

CONTAMINATION

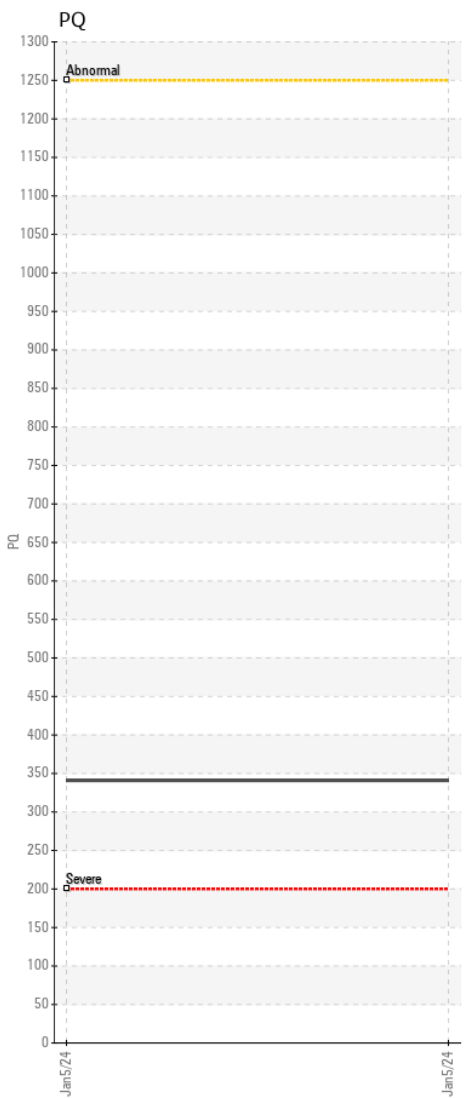
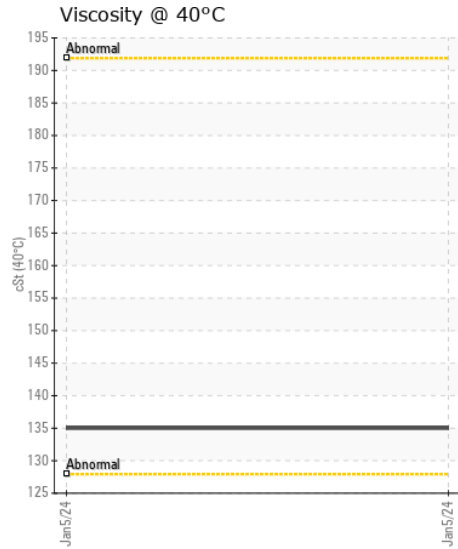
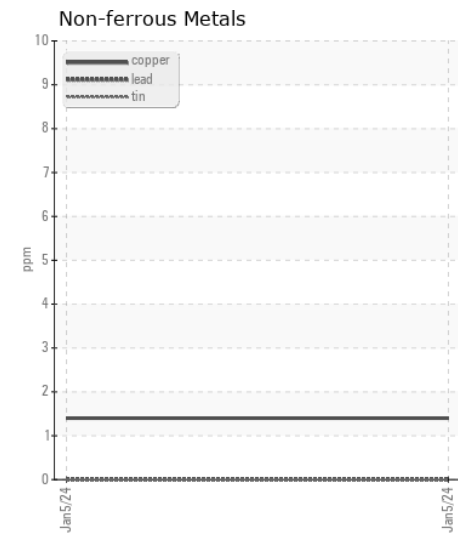
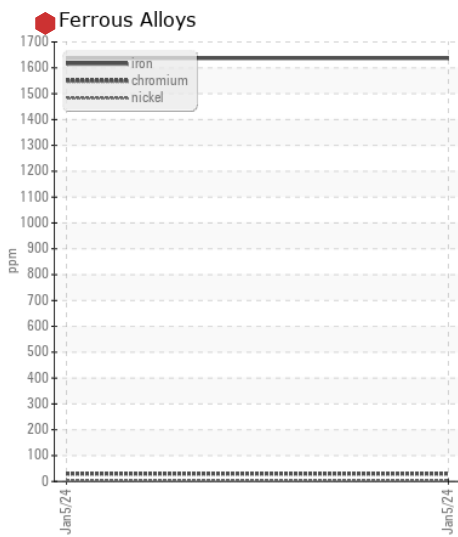
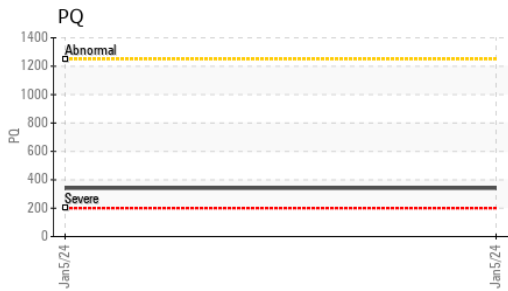
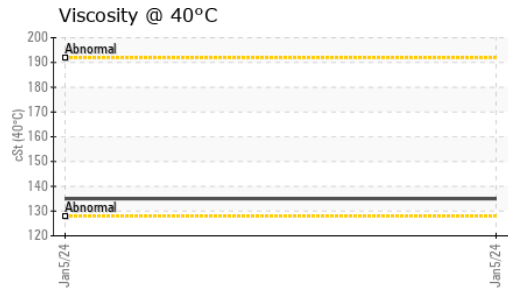
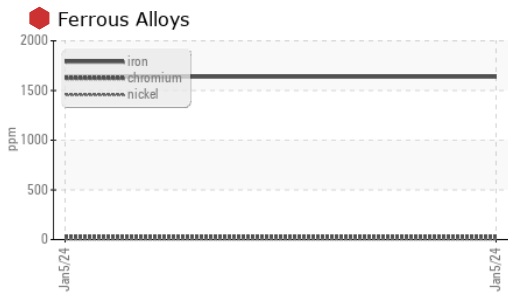
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	30	---	---
Potassium	ppm	ASTM D5185m	>20	53	---	---
Water		WC Method	>0.075	NEG	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.075	NEG	---	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	13	---	---
Boron	ppm	ASTM D5185m		87	---	---
Barium	ppm	ASTM D5185m		90	---	---
Molybdenum	ppm	ASTM D5185m		1	---	---
Manganese	ppm	ASTM D5185m		16	---	---
Magnesium	ppm	ASTM D5185m		9	---	---
Calcium	ppm	ASTM D5185m		28	---	---
Phosphorus	ppm	ASTM D5185m		961	---	---
Zinc	ppm	ASTM D5185m		59	---	---
Sulfur	ppm	ASTM D5185m		24084	---	---
Visc @ 40°C	cSt	ASTM D445		135	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0199031 **Received** : 09 Jan 2024
Lab Number : 06056027 **Diagnosed** : 10 Jan 2024
Unique Number : 10821976 **Diagnostician** : Don Baldridge
Test Package : CONST (Additional Tests: PQ)

JRE - MANASSAS PARK
 9107 OWENS DRIVE
 MANASSAS PARK, VA
 US 20111

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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)