



Machine Id
JOHN DEERE 325G 1T0325GKVKJ355651

Component
Right Final Drive

Fluid
GEAR OIL SAE 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 recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0125892	---	---
Sample Date		Client Info		04 Jan 2024	---	---
Machine Age	hrs	Client Info		967	---	---
Oil Age	hrs	Client Info		967	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				SEVERE	---	---

WEAR

Gear wear is indicated.

PQ		ASTM D8184	>1250	326	---	---
Iron	ppm	ASTM D5185m	>750	▲ 1843	---	---
Chromium	ppm	ASTM D5185m	>9	▲ 19	---	---
Nickel	ppm	ASTM D5185m	>10	9	---	---
Titanium	ppm	ASTM D5185m		6	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>40	▲ 80	---	---
Lead	ppm	ASTM D5185m	>15	<1	---	---
Copper	ppm	ASTM D5185m	>40	4	---	---
Tin	ppm	ASTM D5185m	>10	<1	---	---
Vanadium	ppm	ASTM D5185m		<1	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

CONTAMINATION

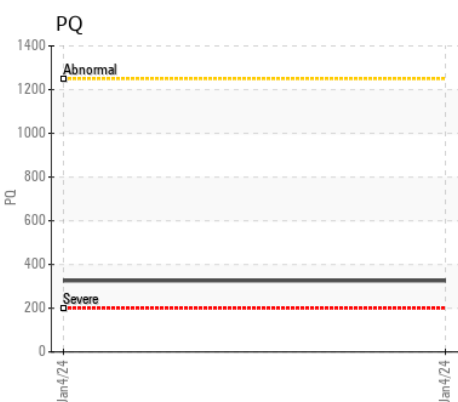
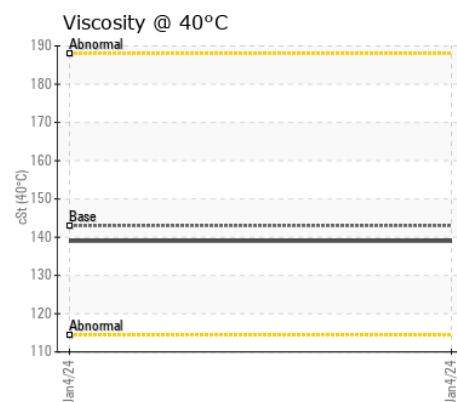
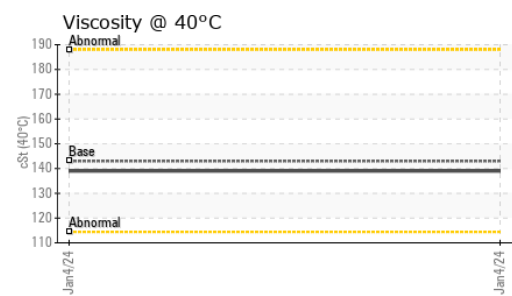
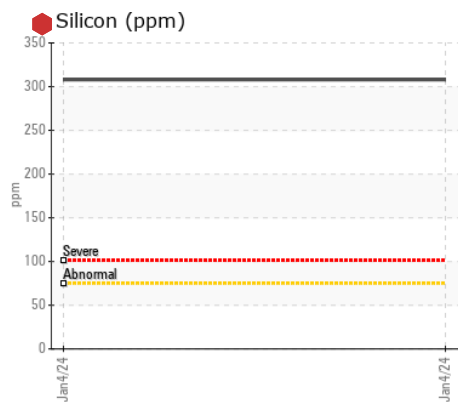
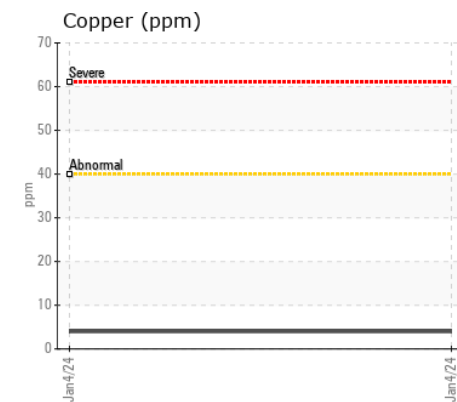
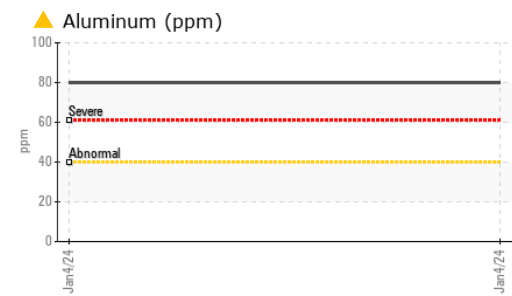
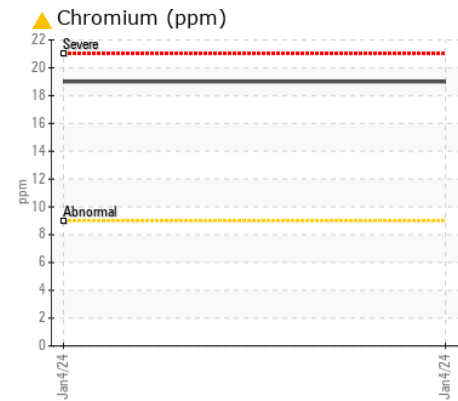
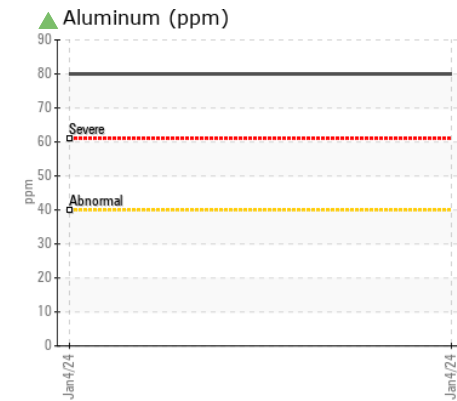
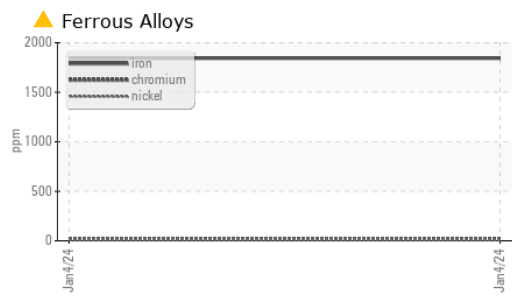
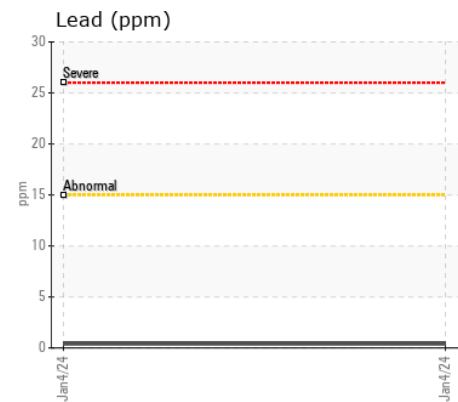
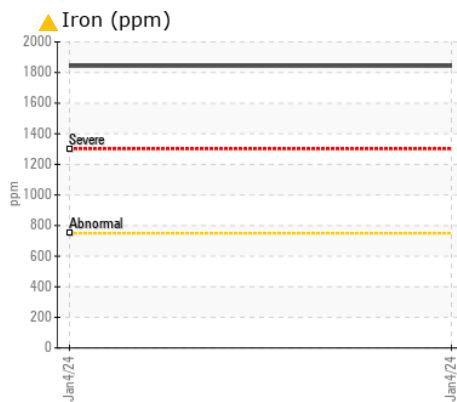
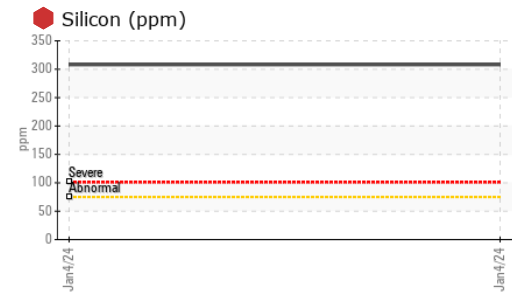
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m	>75	◆ 308	---	---
Potassium	ppm	ASTM D5185m	>20	58	---	---
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 due to the presence of contaminants.

Sodium	ppm	ASTM D5185m	>170	7	---	---
Boron	ppm	ASTM D5185m	400	27	---	---
Barium	ppm	ASTM D5185m	200	24	---	---
Molybdenum	ppm	ASTM D5185m	12	<1	---	---
Manganese	ppm	ASTM D5185m		17	---	---
Magnesium	ppm	ASTM D5185m	12	28	---	---
Calcium	ppm	ASTM D5185m	150	46	---	---
Phosphorus	ppm	ASTM D5185m	1650	403	---	---
Zinc	ppm	ASTM D5185m	125	27	---	---
Sulfur	ppm	ASTM D5185m	22500	17780	---	---
Visc @ 40°C	cSt	ASTM D445	143	139	---	---



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0125892 **Received** : 09 Jan 2024
Lab Number : 06055558 **Diagnosed** : 10 Jan 2024
Unique Number : 10821507 **Diagnostician** : Sean Felton
Test Package : MOBCE (Additional Tests: PQ)

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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)