



Machine Id
JOHN DEERE 325G 1T0325GKVKJ355651

Component
Left Final Drive

Fluid
GEAR OIL SAE 80W90 (--- GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0125891	---	---
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		N/A	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				ABNORMAL	---	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	118	---	---
Iron	ppm	ASTM D5185m	>750	749	---	---
Chromium	ppm	ASTM D5185m	>9	11	---	---
Nickel	ppm	ASTM D5185m	>10	6	---	---
Titanium	ppm	ASTM D5185m		3	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>40	▲ 47	---	---
Lead	ppm	ASTM D5185m	>15	<1	---	---
Copper	ppm	ASTM D5185m	>40	2	---	---
Tin	ppm	ASTM D5185m	>10	<1	---	---
Vanadium	ppm	ASTM D5185m		<1	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

CONTAMINATION

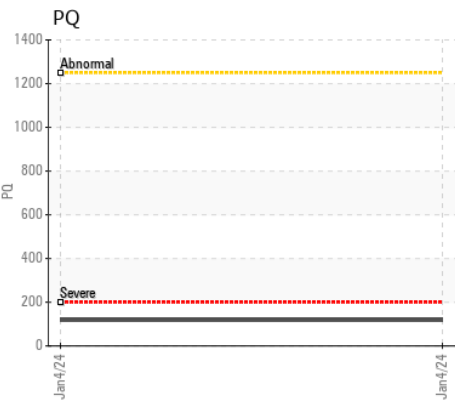
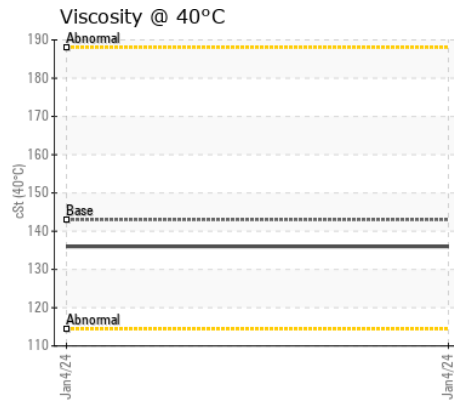
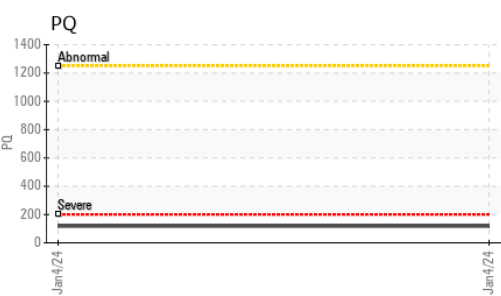
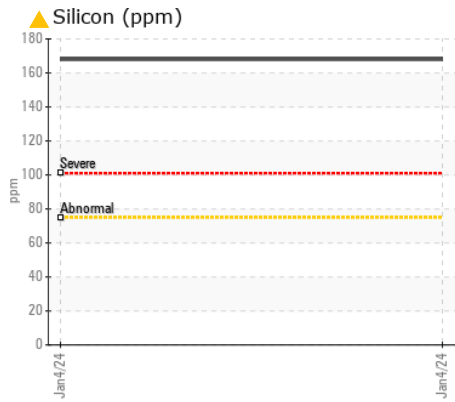
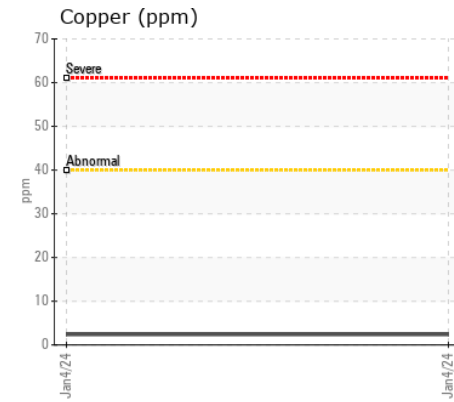
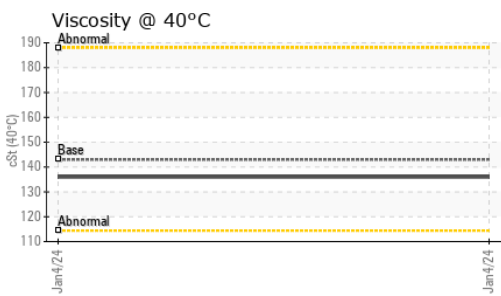
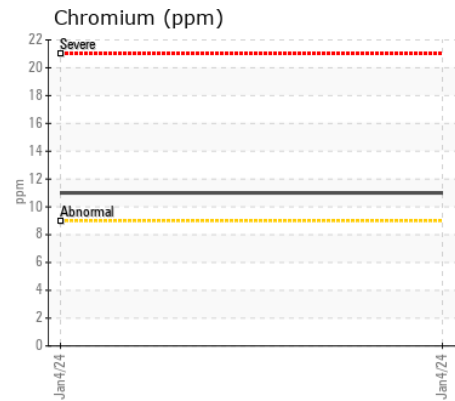
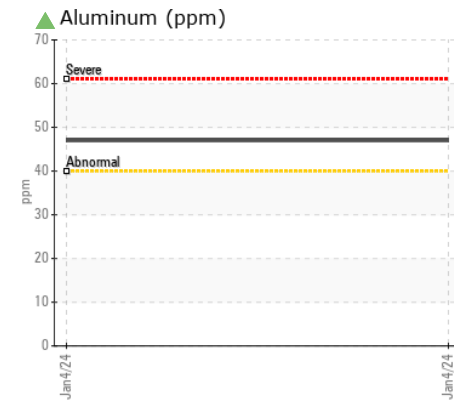
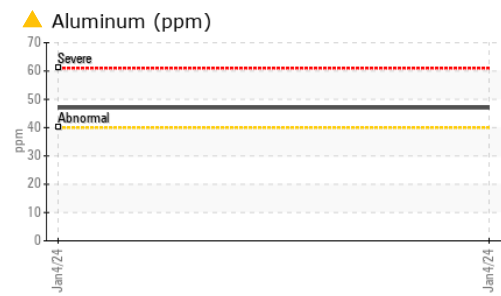
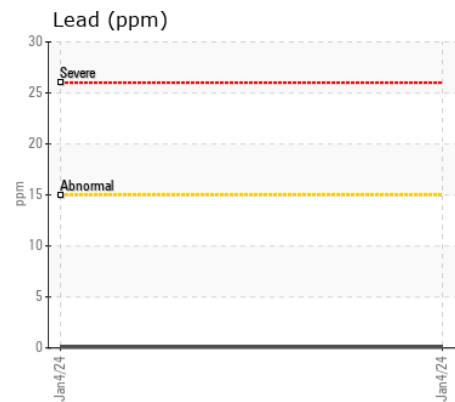
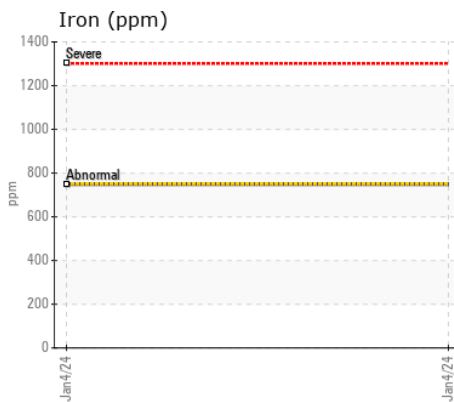
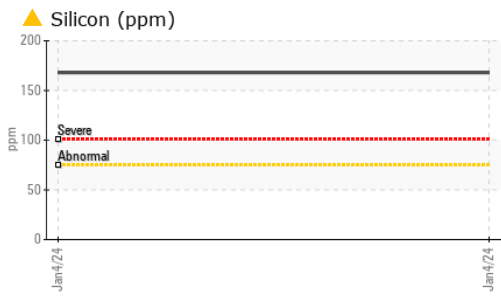
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m	>75	▲ 168	---	---
Potassium	ppm	ASTM D5185m	>20	34	---	---
Water		WC Method	>0.075	NEG	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	LIGHT	---	---
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 condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>170	6	---	---
Boron	ppm	ASTM D5185m	400	23	---	---
Barium	ppm	ASTM D5185m	200	25	---	---
Molybdenum	ppm	ASTM D5185m	12	0	---	---
Manganese	ppm	ASTM D5185m		11	---	---
Magnesium	ppm	ASTM D5185m	12	18	---	---
Calcium	ppm	ASTM D5185m	150	62	---	---
Phosphorus	ppm	ASTM D5185m	1650	376	---	---
Zinc	ppm	ASTM D5185m	125	31	---	---
Sulfur	ppm	ASTM D5185m	22500	17192	---	---
Visc @ 40°C	cSt	ASTM D445	143	136	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0125891 **Received** : 09 Jan 2024
Lab Number : 06055560 **Diagnosed** : 10 Jan 2024
Unique Number : 10821509 **Diagnostician** : Sean Felton
Test Package : MOBCE (Additional Tests: PQ)

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)

JRE - SALEM
 3902 W. MAIN STREET
 SALEM, VA
 US 24153
 Contact: BUTCH GOAD
 bgoad@jrenet.com
 T:
 F: (540)380-5547