



# OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>ATTENTION</b>

Machine Id  
**JOHN DEERE 325G 1T0325GKTMJ405640**  
 Component  
**Right Propel Gearbox**  
 Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (27 Oz)**

## RECOMMENDATION

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		LEC0036600	---	---
Sample Date		Client Info		22 Nov 2022	---	---
Machine Age	hrs	Client Info		177	---	---
Oil Age	hrs	Client Info		177	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				ATTENTION	---	---

## WEAR

Metal levels are typical for a new component breaking in.

PQ		ASTM D8184		173	---	---
Iron	ppm	ASTM D5185m	>1250	1119	---	---
Chromium	ppm	ASTM D5185m	>10	14	---	---
Nickel	ppm	ASTM D5185m	>10	6	---	---
Titanium	ppm	ASTM D5185m		1	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m		14	---	---
Lead	ppm	ASTM D5185m		<1	---	---
Copper	ppm	ASTM D5185m		2	---	---
Tin	ppm	ASTM D5185m		0	---	---
Vanadium	ppm	ASTM D5185m		<1	---	---
White Metal	scalar	*Visual	NONE	LIGHT	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

## CONTAMINATION

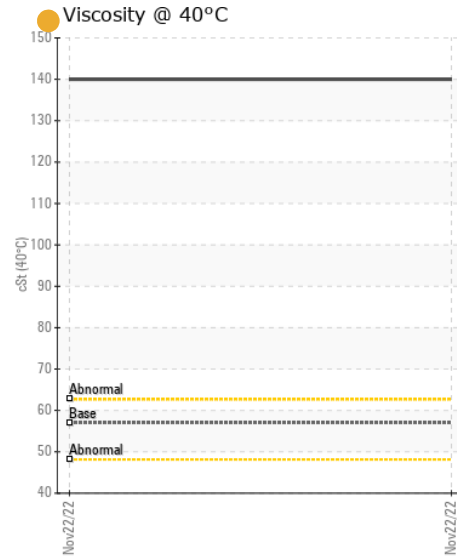
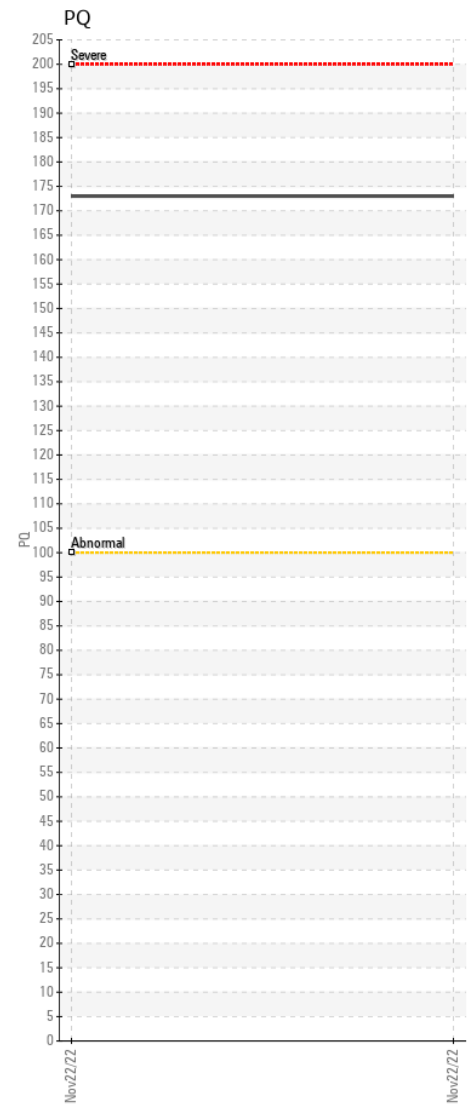
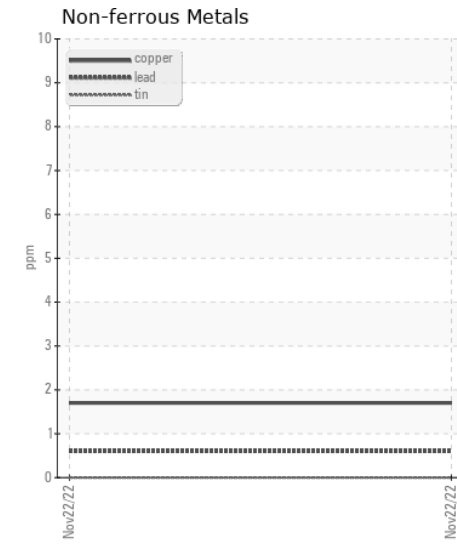
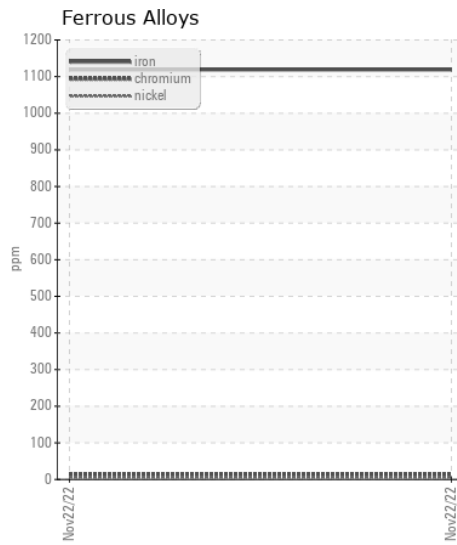
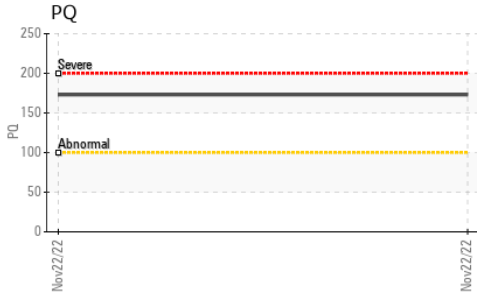
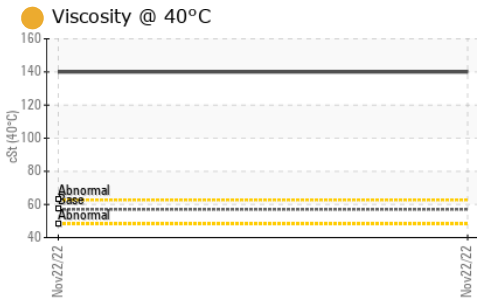
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m		49	---	---
Potassium	ppm	ASTM D5185m	>20	30	---	---
Water		WC Method	>0.2	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	>0.2	NEG	---	---

## FLUID CONDITION

The oil viscosity is higher than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

Sodium	ppm	ASTM D5185m		16	---	---
Boron	ppm	ASTM D5185m	6	107	---	---
Barium	ppm	ASTM D5185m	0	74	---	---
Molybdenum	ppm	ASTM D5185m	0	2	---	---
Manganese	ppm	ASTM D5185m		13	---	---
Magnesium	ppm	ASTM D5185m	145	11	---	---
Calcium	ppm	ASTM D5185m	3570	30	---	---
Phosphorus	ppm	ASTM D5185m	1290	888	---	---
Zinc	ppm	ASTM D5185m	1640	28	---	---
Sulfur	ppm	ASTM D5185m		25056	---	---
Visc @ 40°C	cSt	ASTM D445	57.0	140	---	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0036600 **Received** : 25 Nov 2022  
**Lab Number** : 05702578 **Tested** : 28 Nov 2022  
**Unique Number** : 10232152 **Diagnosed** : 28 Nov 2022 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

**LESLIE EQUIPMENT COMPANY**  
 105 TENNIS CENTER DR.  
 MARIETTA, OH  
 US 45750-9765  
 Contact: LEANNE KENDALL  
 KendalLeanne@lec1.com

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)

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