

# **PROBLEM SUMMARY**

## Sample Rating Trend

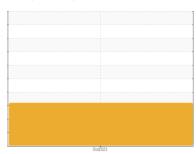
# WATER



Store 3 - Norton
Machine Id
JOHN DEERE 672G 1DW672GPPEF661896
Component

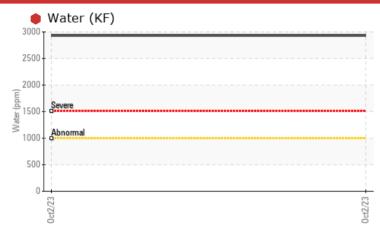
**Rear Axle** 

JOHN DEERE HY-GARD HYD/TRANS (10 GAL)





## **COMPONENT CONDITION SUMMARY**



## RECOMMENDATION

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS								
Sample Status				SEVERE				
Water	%	ASTM D6304	>0.1	0.293				
ppm Water	ppm	ASTM D6304	>1000	<b>2930</b>				
Emulsified Water	scalar	*Visual	>0.1	• 0.2%				

Customer Id: LESMAROH Sample No.: LEC0042970 Lab Number: 05969204 Test Package: CONST

To manage this report scan the QR code

To discuss the diagnosis or test data:

Don Baldridge +1 don.b505@comcast.net

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

RECOMMENDED AC	RECOMMENDED ACTIONS						
Action	Status	Date	Done By	Description			
Check Water Access			?	We advise that you check for the source of water entry.			

# HISTORICAL DIAGNOSIS



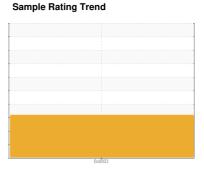




Store 3 - Norton **JOHN DEERE 672G 1DW672GPPEF661896** Component

**Rear Axle** 

JOHN DEERE HY-GARD





**DIAGNOSIS** 

## Recommendation

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

## Contamination

There is a high concentration of water present in the oil.

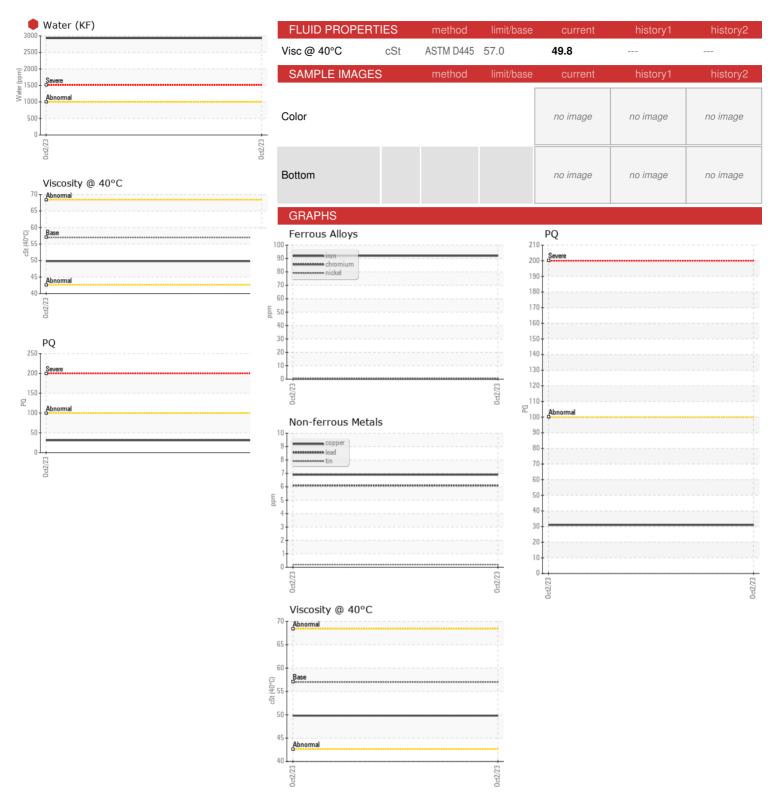
### **Fluid Condition**

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

HYD/TRANS (10	GAL)			Oct2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		LEC0042970		
Sample Date		Client Info		02 Oct 2023		
Machine Age	hrs	Client Info		3902		
Oil Age	hrs	Client Info		3902		
Oil Changed		Client Info		Changed		
Sample Status				SEVERE		
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		31		
ron	ppm	ASTM D5185m	>750	92		
Chromium	ppm	ASTM D5185m	>11	<1		
Nickel	ppm	ASTM D5185m	>10	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		<1		
Aluminum	ppm	ASTM D5185m	>21	6		
_ead	ppm	ASTM D5185m	>49	6		
Copper	ppm	ASTM D5185m	>101	7		
Γin	ppm	ASTM D5185m	>10	<1		
√anadium	ppm	ASTM D5185m	, , ,	0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	6	11		
Barium	ppm	ASTM D5185m	0	0		
Molybdenum	ppm	ASTM D5185m	0	2		
Manganese	ppm	ASTM D5185m		2		
Magnesium	ppm	ASTM D5185m	145	29		
Calcium	ppm	ASTM D5185m	3570	2926		
Phosphorus	ppm	ASTM D5185m	1290	1075		
Zinc	ppm	ASTM D5185m	1640	1282		
Sulfur	ppm	ASTM D5185m	1010	3828		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>31	5		
Sodium	ppm	ASTM D5185m	>51	<1		
Potassium	ppm	ASTM D5185m	>20	0		
Nater	%	ASTM D6304	>0.1	0.293		
opm Water	ppm	ASTM D6304	>1000	<b>2930</b>		
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Precipitate	scalar	*Visual	NONE	NONE		
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	>0.1	• 0.2%		
Free Water	scalar	*Visual		NEG		
11:04\ Dov: 1			Cubmit	TODE STODE	2 NODTON	DDIAN VOLITZ



# **OIL ANALYSIS REPORT**







Report Id: LESMAROH [WUSCAR] 05969204 (Generated: 10/09/2023 07:41:04) Rev: 1

Laboratory Sample No. Lab Number Unique Number

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : LEC0042970 : 05969204 : 10675755

Received Diagnosed

: 04 Oct 2023 : 06 Oct 2023 Diagnostician : Don Baldridge

Test Package : CONST ( Additional Tests: KF, 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.

LESLIE EQUIPMENT COMPANY

105 TENNIS CENTER DR. MARIETTA, OH US 45750-9765 Contact: LEANNE KENDALL

KendalLeanne@lec1.com

T: F: (740)373-5570

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)