

#### [W8026] Machine Id JOHN DEERE 944K 1DW944KXAML703645 Component Front Right Final Drive Fluid JOHN DEERE HY-GARD HYD/TRANS (--- GAL)

### RECOMMENDATION

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. ( Customer Sample Comment: W8026 )

# WEAR

Bearing and/or bushing wear is indicated.

\_\_\_\_\_

### CONTAMINATION

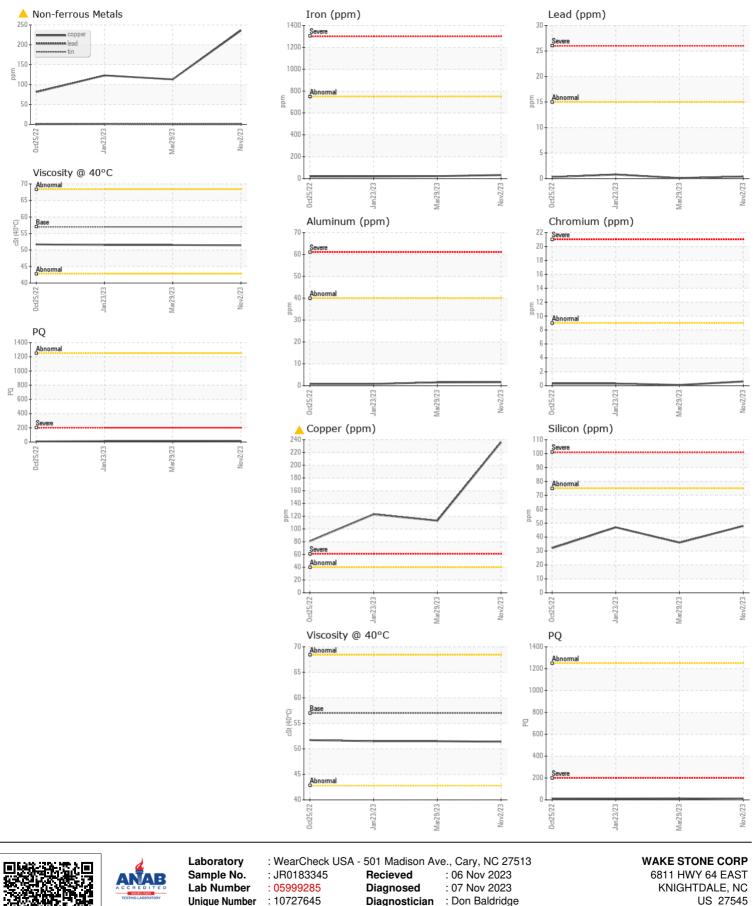
There is no indication of any contamination in the oil.

## **FLUID CONDITION**

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0183345	JR0163393	JR0156436
Sample Date		Client Info		02 Nov 2023	29 Mar 2023	23 Jan 2023
Machine Age	hrs	Client Info		4116	2545	2110
Oil Age	hrs	Client Info		3205	435	2110
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		Changed	Not Changd	Changed
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
<b>DO</b>			1050	•	10	10
PQ		ASTM D8184	>1250	9	13	12
Iron	ppm	ASTM D5185m	>750	32	22	19
Chromium	ppm	ASTM D5185m	>9	<1	<1	<1
Nickel	ppm	ASTM D5185m	>10	<1	<1	0
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m	10	0	0	<1
Aluminum	ppm	ASTM D5185m	>40	2	2	<1
Lead	ppm	ASTM D5185m	>15	<1	<1	<1
Copper	ppm	ASTM D5185m	>40	<b>A</b> 236	<b>▲</b> 113	<b>▲</b> 123
Tin	ppm	ASTM D5185m	>10	0	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon						
	ppm	ASTM D5185m	>75	48	36	47
Potassium	ppm ppm	ASTM D5185m ASTM D5185m	>75 >20	48 2	36 1	47 0
Potassium		ASTM D5185m	>20	2	1	0
Potassium Water	ppm	ASTM D5185m WC Method	>20 >0.075	2 NEG	1 NEG	0 NEG
Potassium Water Silt	ppm scalar	ASTM D5185m WC Method *Visual	>20 >0.075 NONE	2 NEG NONE	1 NEG NONE	0 NEG NONE
Potassium Water Silt Debris	ppm scalar scalar	ASTM D5185m WC Method *Visual *Visual	>20 >0.075 NONE NONE	2 NEG NONE NONE	1 NEG NONE NONE	0 NEG NONE NONE
Potassium Water Silt Debris Sand/Dirt	ppm scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual	>20 >0.075 NONE NONE NONE	2 NEG NONE NONE NONE	1 NEG NONE NONE	0 NEG NONE NONE
Potassium Water Silt Debris Sand/Dirt Appearance	ppm scalar scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual *Visual	>20 >0.075 NONE NONE NONE NORML	2 NEG NONE NONE NONE NORML	1 NEG NONE NONE NONE NORML	0 NEG NONE NONE NONE
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water	ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual	>20 >0.075 NONE NONE NONE NORML NORML >0.075	2 NEG NONE NONE NORE NORML NORML NEG	1 NEG NONE NONE NORML NORML NEG	0 NEG NONE NONE NORML NORML NEG
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium	ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>20 >0.075 NONE NONE NONE NORML >0.075 >51	2 NEG NONE NONE NORML NORML NEG	1 NEG NONE NONE NORML NORML NEG 0	0 NEG NONE NONE NORML NORML NEG 4
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	ppm scalar scalar scalar scalar scalar scalar ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>20 >0.075 NONE NONE NORML >0.075 >51	2 NEG NONE NONE NORML NORML NEG <1 6	1 NEG NONE NONE NORML NORML NEG 0 2	0 NEG NONE NONE NORML NORML NEG 4 5
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium	ppm scalar scalar scalar scalar scalar scalar ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m	>20 >0.075 NONE NONE NORML >0.075 >51 6 0	2 NEG NONE NONE NORML NORML NEG <1 6	1 NEG NONE NONE NORML NORML NEG 0 2 0	0 NEG NONE NONE NORML NORML NEG 4 5 3
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum	ppm scalar scalar scalar scalar scalar scalar ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.075 NONE NONE NORML >0.075 >51	2 NEG NONE NONE NORML NORML NEG <1 6 6 6	1 NEG NONE NONE NORML NORML NEG 0 2 0 2 0	0 NEG NONE NONE NORML NORML NEG 4 5 3 3 <
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.075 NONE NONE NORML NORML >0.075 >51 6 0	2 NEG NONE NONE NORML NORML NEG <1 6 6 6 <1 4	1 NEG NONE NONE NORML NORML NEG 0 2 0 2 0 2 1 3	0 NEG NONE NONE NORML NORML NEG 4 5 3 3 < 1 <1
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.075 NONE NONE NORML >0.075 >51 6 0 0	2 NEG NONE NONE NORML NORML NEG <1 6 6 6 <1 5 1 94	1 NEG NONE NONE NORML NORML NEG 0 2 0 2 0 <1 <1 90	0 NEG NONE NONE NORML NORML NEG 4 5 3 3 <1 <1 <1 84
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Manganese Magnesium Calcium	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	<ul> <li>&gt;20</li> <li>&gt;0.075</li> <li>NONE</li> <li>NONE</li> <li>NORML</li> <li>NORML</li> <li>&gt;0.075</li> <li>&gt;51</li> <li>6</li> <li>0</li> <li>0</li> <li>145</li> <li>3570</li> </ul>	2 NEG NONE NONE NORML NORML NEG <1 6 6 6 <1 <1 94 3303	1 NEG NONE NONE NORML NORML NEG 0 2 0 2 0 2 0 2 1 3376	0 NEG NONE NONE NORML NORML NEG 4 5 3 4 5 3 (<1 <1 <1 84 84 3115
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	<ul> <li>&gt;20</li> <li>&gt;0.075</li> <li>NONE</li> <li>NONE</li> <li>NORML</li> <li>&gt;0.075</li> <li>&gt;51</li> <li>6</li> <li>0</li> <li>0</li> <li>145</li> <li>3570</li> <li>1290</li> </ul>	2 NEG NONE NONE NORML NORML NEG <1 6 6 6 <1 <1 94 3303 1072	1 NEG NONE NONE NORML NORML NEG 0 2 0 2 0 2 1 4 1 90 3376 1002	0 NEG NONE NONE NORML NORML NEG 4 5 3 <1 <1 <1 84 3115 903
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	<ul> <li>&gt;20</li> <li>&gt;0.075</li> <li>NONE</li> <li>NONE</li> <li>NORML</li> <li>NORML</li> <li>&gt;0.075</li> <li>&gt;51</li> <li>6</li> <li>0</li> <li>0</li> <li>145</li> <li>3570</li> </ul>	2 NEG NONE NONE NORML NORML NEG <1 6 6 <1 <1 6 4 3303 1072 1203	1 NEG NONE NONE NORML NORML NEG 0 2 0 2 0 2 1 3 3 3 76 1002 1154	0 NEG NONE NONE NORML NORML NEG 4 5 3 ( 4 5 3 ( 4 5 3 ( 4 5 3 3 ( 5 3 3 ( 1 1 8 4 3115 903 1123
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	<ul> <li>&gt;20</li> <li>&gt;0.075</li> <li>NONE</li> <li>NONE</li> <li>NORML</li> <li>&gt;0.075</li> <li>&gt;51</li> <li>6</li> <li>0</li> <li>0</li> <li>145</li> <li>3570</li> <li>1290</li> </ul>	2 NEG NONE NONE NORML NORML NEG <1 6 6 6 <1 <1 94 3303 1072	1 NEG NONE NONE NORML NORML NEG 0 2 0 2 0 2 1 4 1 90 3376 1002	0 NEG NONE NONE NORML NORML NEG 4 5 3 <1 <1 <1 84 3115 903

Submitted By: Fayetteville - JUSTIN JACKSON



Test Package : MOBCE (Additional Tests: PQ) Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. paulspruill@wakestonecorp.com \* - 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)

Report Id: WAKKNIJR [WUSCAR] 05999285 (Generated: 02/07/2024 10:09:36) Rev: 1

F:

T:

Contact: PAUL SPRUILL