

## Machine Id JOHN DEERE 333E 1T0333EMAFE281041 Component Right Final Drive Fluid JOHN DEERE GL-5 80W90 (27 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.

V	V	E	Α	R

Gear wear is indicated. All other component wear rates are normal.

## CONTAMINATION

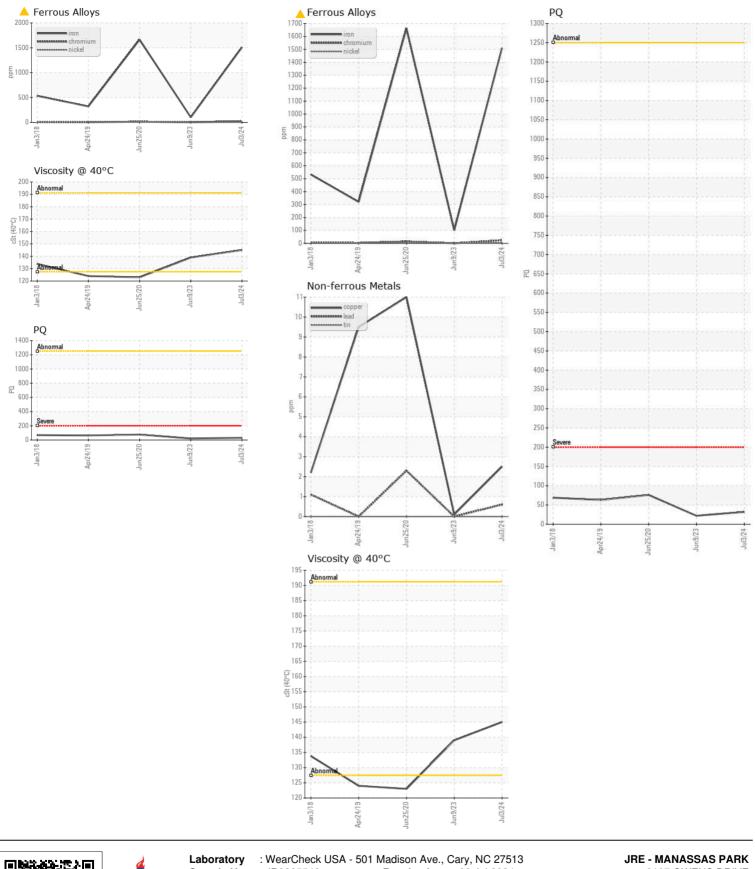
There is no indication of any contamination in the oil.

## **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		JR0225542	JR0176124	JR0051914
Sample Date		Client Info		03 Jul 2024	09 Jun 2023	25 Jun 2020
Machine Age	hrs	Client Info		4113	3676	2477
Oil Age	hrs	Client Info		0	3676	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Not Changd
Filter Changed		Client Info		Changed	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
			. 1050		22	76
PQ		ASTM D8184	>1250	32		
Iron	ppm	ASTM D5185m	>750	▲ 1510	101	▲ 1664 14
Chromium	ppm	ASTM D5185m	>9	A 24	<1	
Nickel Titanium	ppm	ASTM D5185m	>10	3 1	<1 1	8
Silver	ppm	ASTM D5185m		0	0	4
Aluminum	ppm	ASTM D5185m	>40	8	10	47
Lead	ppm	ASTM D5185m		-	-	
-	ppm		>15	<1 2	0	2
Copper	ppm	ASTM D5185m	>40	2	<1	11
Tin	ppm	ASTM D5185m	>10	0 <1	0	0
Vanadium	ppm	ASTM D5185m				NONE
White Metal Yellow Metal	scalar	*Visual	NONE NONE	NONE NONE	NONE NONE	NONE
reliuw wetai	scalar	*Visual	NONE	NONE	INUNE	NONE
Silicon	ppm	ASTM D5185m	>75	34	38	<b>4</b> 243
Silicon Potassium	ppm ppm	ASTM D5185m ASTM D5185m	>75 >20			<ul><li>243</li><li>18</li></ul>
				34	38	
Potassium		ASTM D5185m	>20	34 14	38 4	18
Potassium Water	ppm	ASTM D5185m WC Method	>20 >0.075	34 14 NEG	38 4 NEG	18 NEG
Potassium Water Silt	ppm scalar	ASTM D5185m WC Method *Visual	>20 >0.075 NONE	34 14 NEG NONE	38 4 NEG NONE MODER NONE	18 NEG NONE
Potassium Water Silt Debris	ppm scalar scalar	ASTM D5185m WC Method *Visual *Visual	>20 >0.075 NONE NONE	34 14 NEG NONE NONE	38 4 NEG NONE MODER	18 NEG NONE LIGHT
Potassium Water Silt Debris Sand/Dirt	ppm scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual	>20 >0.075 NONE NONE NONE	34 14 NEG NONE NONE NONE	38 4 NEG NONE MODER NONE	18 NEG NONE LIGHT 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	34 14 NEG NONE NONE NONE NORML	38 4 NEG NONE MODER NONE NORML	18 NEG NONE LIGHT NONE NORML
Potassium Water Silt Debris Sand/Dirt Appearance Odor	ppm scalar scalar scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual	>20 >0.075 NONE NONE NORML NORML >0.075	34 14 NEG NONE NONE NONE NORML NORML	38 4 NEG NONE MODER NONE NORML NORML	18 NEG NONE LIGHT NONE NORML NORML
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 NORML NORML >0.075	34 14 NEG NONE NONE NORE NORML NEG	38 4 NEG NONE MODER NONE NORML NORML NEG	18 NEG NONE LIGHT NORML NORML NEG
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium	ppm scalar scalar scalar scalar scalar scalar ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>20 >0.075 NONE NONE NORML NORML >0.075	34 14 NEG NONE NONE NORML NORML NEG 5	38 4 NEG NONE MODER NORML NORML NEG 0	18 NEG NONE LIGHT 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 NORML >0.075	34 14 NEG NONE NONE NORML NORML NEG 5 9	38 4 NEG NONE MODER NORML NORML NEG 0 40	18 NEG NONE LIGHT NORML NORML NEG 4 177
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 NORML >0.075	34 14 NEG NONE NONE NORML NORML NEG 5 9 21	38 4 NEG NONE NONE NORML NORML NEG 0 40 2	18 NEG NONE LIGHT NORML NORML NEG 4 177 0
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum	ppm scalar scalar scalar scalar scalar scalar ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.075 NONE NONE NORML NORML >0.075	34 14 NEG NONE NONE NORML NORML NEG 5 9 21 21	38 4 NEG NONE MODER NORML NORML NEG 0 40 2 1	18 NEG NONE LIGHT NORML NORML NEG 4 1777 0 4
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese	ppm scalar 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	34 14 NEG NONE NONE NORML NORML NEG 5 9 21 2 2 12	38 4 NEG NONE MODER NORML NORML NEG 0 40 2 1 1 <1	18NEGNONELIGHTNORMLNORMLNEG41770412
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 NORML >0.075	34 14 NEG NONE NONE NORML NORML NEG 5 9 21 2 2 12 12	38 4 NEG NONE NONE NORML NORML NEG 0 40 2 1 4 4	18 NEG NONE LIGHT NORML NORML NEG 4 177 0 4 12 31
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	>20 >0.075 NONE NONE NORML NORML >0.075	34 14 NEG NONE NONE NORML NORML NEG 5 9 21 2 2 12 7 8	38 4 NEG NONE NONE NORML NORML NEG 0 40 2 1 4 1 4 10	18   NEG   NONE   LIGHT   NORML   NORML   NEG   4   177   0   4   12   31   78
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	>20 >0.075 NONE NONE NORML NORML >0.075	34 14 NEG NONE NONE NORML NORML NEG 5 9 21 2 12 12 7 8 8 402	38 4 NEG NONE MODER NORML NORML NEG 0 40 2 1 <1 <1 4 10 469	18   NEG   NONE   LIGHT   NORML   NORML   NEG   4   177   0   4   12   31   78   1066

Submitted By: TECHNICIAN ACCOUNT



Sample No. : JR0225542 Received 9107 OWENS DRIVE : 08 Jul 2024 Lab Number : 06230463 Tested MANASSAS PARK, VA : 10 Jul 2024 Diagnosed Unique Number : 11113956 : 10 Jul 2024 - Don Baldridge US 20111 Test Package : CONST (Additional Tests: PQ) Contact: DON VEST Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. dvest@jamesriverequipment.com \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (703)631-8500 F: (703)631-4715 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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