

# [47942] JOHN DEERE 85G 1FF085GXJNJ024386

## **Right Final Drive**

## JOHN DEERE GL-5 80W90 (--- GAL)

### RECOMMENDATION

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

#### **WEAR**

All component wear rates are normal.

#### CONTAMINATION

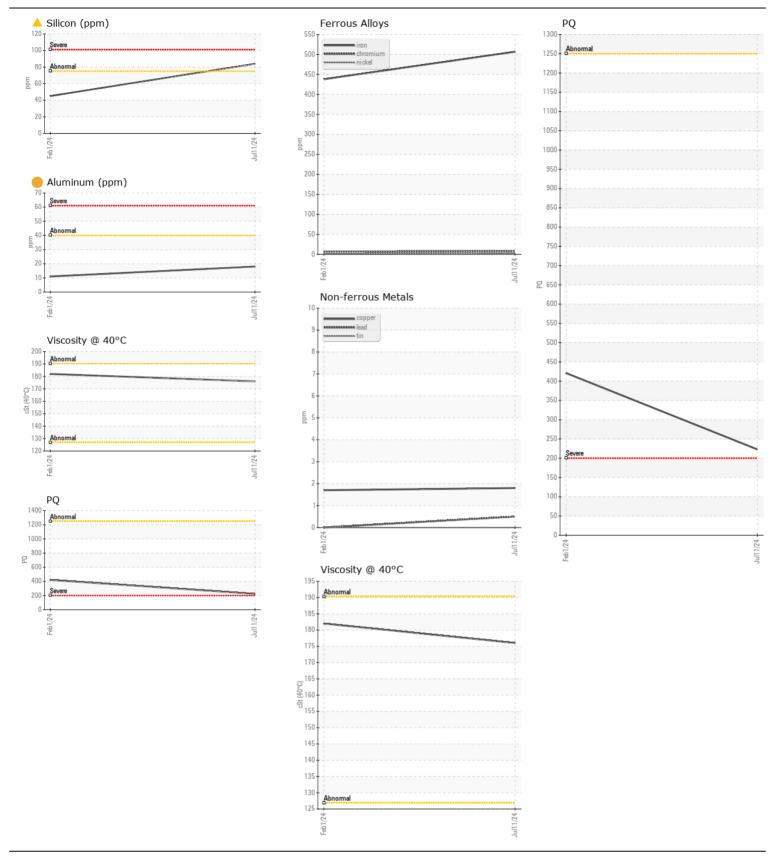
Elemental levels of silicon (Si) and aluminum (AI) indicate aluminasilicate (coarse dirt) ingress.

#### 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		JR0218571	JR0199207	
Sample Date		Client Info		11 Jul 2024	01 Feb 2024	
Machine Age	hrs	Client Info		925	595	
Oil Age	hrs	Client Info		925	595	
Filter Age	hrs	Client Info		0	0	
Oil Changed		Client Info		Not Changd	Not Changd	
Filter Changed		Client Info		N/A	None	
Sample Status				ABNORMAL	NORMAL	
<b>DO</b>			4050		404	
PQ		ASTM D8184	>1250	223	421	
Iron	ppm	ASTM D5185m	>750	507	438	
Chromium	ppm	ASTM D5185m	>9	8	6	
Nickel	ppm	ASTM D5185m	>10	3	1	
Titanium	ppm	ASTM D5185m		3	2	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>40	18	11	
Lead	ppm	ASTM D5185m	>15	<1	0	
Copper	ppm	ASTM D5185m	>40	2	2	
Tin	ppm	ASTM D5185m	>10	0	0	
Vanadium	ppm	ASTM D5185m		0	0	
White Metal	scalar	*Visual	NONE	NONE	NONE	
Mallan Matal						
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Silicon	ppm	ASTM D5185m	>75	<b>A</b> 84	45	
Silicon Potassium		ASTM D5185m ASTM D5185m	>75 >20	▲ 84 5	45 2	
Silicon Potassium Water	ppm ppm	ASTM D5185m ASTM D5185m WC Method	>75 >20 >0.075	▲ 84 5 NEG	45 2 NEG	  
Silicon Potassium Water Silt	ppm ppm scalar	ASTM D5185m ASTM D5185m WC Method *Visual	>75 >20 >0.075 NONE	<ul> <li>84</li> <li>5</li> <li>NEG</li> <li>NONE</li> </ul>	45 2 NEG NONE	
Silicon Potassium Water Silt Debris	ppm ppm scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual	>75 >20 >0.075 NONE NONE	<ul> <li>84</li> <li>5</li> <li>NEG</li> <li>NONE</li> <li>NONE</li> </ul>	45 2 NEG NONE LIGHT	
Silicon Potassium Water Silt Debris Sand/Dirt	ppm ppm scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual	>75 >20 >0.075 NONE NONE NONE	<ul> <li>84</li> <li>5</li> <li>NEG</li> <li>NONE</li> <li>NONE</li> <li>NONE</li> </ul>	45 2 NEG NONE LIGHT NONE	 
Silicon Potassium Water Silt Debris Sand/Dirt Appearance	ppm ppm scalar scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual	>75 >20 >0.075 NONE NONE NONE NORML	<ul> <li>84</li> <li>5</li> <li>NEG</li> <li>NONE</li> <li>NONE</li> <li>NONE</li> <li>NONE</li> <li>NORML</li> </ul>	45 2 NEG NONE LIGHT NONE NORML	  
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor	ppm ppm scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual	>75 >20 >0.075 NONE NONE NONE NORML	<ul> <li>84</li> <li>5</li> <li>NEG</li> <li>NONE</li> <li>NONE</li> <li>NONE</li> <li>NORE</li> <li>NORML</li> <li>NORML</li> </ul>	45 2 NEG NONE LIGHT NONE NORML NORML	 
Silicon Potassium Water Silt Debris Sand/Dirt Appearance	ppm ppm scalar scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual	>75 >20 >0.075 NONE NONE NONE NORML	<ul> <li>84</li> <li>5</li> <li>NEG</li> <li>NONE</li> <li>NONE</li> <li>NONE</li> <li>NONE</li> <li>NORML</li> </ul>	45 2 NEG NONE LIGHT NONE NORML	  
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor	ppm ppm scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual	>75 >20 >0.075 NONE NONE NONE NORML	<ul> <li>84</li> <li>5</li> <li>NEG</li> <li>NONE</li> <li>NONE</li> <li>NONE</li> <li>NORE</li> <li>NORML</li> <li>NORML</li> </ul>	45 2 NEG NONE LIGHT NONE NORML NORML	  
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water	ppm ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual	>75 >20 >0.075 NONE NONE NORML NORML >0.075	<ul> <li>84</li> <li>5</li> <li>NEG</li> <li>NONE</li> <li>NONE</li> <li>NORE</li> <li>NORML</li> <li>NORML</li> <li>NEG</li> </ul>	45 2 NEG NONE LIGHT NONE NORML NORML NEG	  
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium	ppm ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>75 >20 >0.075 NONE NONE NORML NORML >0.075	<ul> <li>84</li> <li>5</li> <li>NEG</li> <li>NONE</li> <li>NONE</li> <li>NORML</li> <li>NORML</li> <li>NEG</li> <li>1</li> </ul>	45 2 NEG NONE LIGHT NONE NORML NORML NEG 2	  
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	ppm ppm scalar scalar scalar scalar scalar scalar gppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m	>75 >20 >0.075 NONE NONE NORML NORML >0.075	<ul> <li>84</li> <li>5</li> <li>NEG</li> <li>NONE</li> <li>NONE</li> <li>NORML</li> <li>NORML</li> <li>NEG</li> <li>1</li> <li>54</li> </ul>	45 2 NEG NONE LIGHT NORML NORML NEG 2 61	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium	ppm ppm scalar scalar scalar scalar scalar scalar ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m	>75 >20 >0.075 NONE NONE NORML NORML >0.075	<ul> <li>84</li> <li>5</li> <li>NEG</li> <li>NONE</li> <li>NONE</li> <li>NORML</li> <li>NORML</li> <li>NORML</li> <li>NEG</li> <li>1</li> <li>54</li> <li>51</li> </ul>	45 2 NEG NONE LIGHT NONE NORML NORML NEG 2 61 54	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum	ppm ppm scalar scalar scalar scalar scalar scalar ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m	>75 >20 >0.075 NONE NONE NORML NORML >0.075	<ul> <li>84</li> <li>5</li> <li>NEG</li> <li>NONE</li> <li>NONE</li> <li>NORML</li> <li>NORML</li> <li>NEG</li> <li>1</li> <li>54</li> <li>51</li> <li>7</li> </ul>	45 2 NEG NONE LIGHT NORML NORML NEG 2 61 54 0	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese	ppm ppm scalar scalar scalar scalar scalar ppm ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>75 >20 >0.075 NONE NONE NORML NORML >0.075	<ul> <li>84</li> <li>5</li> <li>NEG</li> <li>NONE</li> <li>NONE</li> <li>NORML</li> <li>NORML</li> <li>NEG</li> <li>1</li> <li>54</li> <li>51</li> <li>7</li> <li>8</li> </ul>	45 2 NEG NONE LIGHT NORML NORML NEG 2 61 54 54 0 7	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium	ppm ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>75 >20 >0.075 NONE NONE NORML NORML >0.075	<ul> <li>84</li> <li>5</li> <li>NEG</li> <li>NONE</li> <li>NONE</li> <li>NORML</li> <li>NORML</li> <li>NEG</li> <li>1</li> <li>54</li> <li>51</li> <li>7</li> <li>8</li> <li>19</li> </ul>	45 2 NEG NONE LIGHT NORML NORML NORML 2 61 54 0 7 7	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium	ppm ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>75 >20 >0.075 NONE NONE NORML NORML >0.075	<ul> <li>84</li> <li>5</li> <li>NEG</li> <li>NONE</li> <li>NONE</li> <li>NORML</li> <li>NORML</li> <li>NORML</li> <li>54</li> <li>51</li> <li>7</li> <li>8</li> <li>19</li> <li>39</li> </ul>	45 2 NEG LIGHT NONE NORML NORML NEG 2 61 54 0 7 2 (1 21	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	ppm pm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>75 >20 >0.075 NONE NONE NORML NORML >0.075	<ul> <li>84</li> <li>5</li> <li>NEG</li> <li>NONE</li> <li>NONE</li> <li>NORML</li> <li>NORML</li> <li>NEG</li> <li>1</li> <li>54</li> <li>51</li> <li>7</li> <li>8</li> <li>19</li> <li>39</li> <li>513</li> </ul>	45 2 NEG NONE LIGHT NORML NORML NEG 2 61 54 0 7 <1 21 503	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	ppm ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>75 >20 >0.075 NONE NONE NORML NORML >0.075	<ul> <li>84</li> <li>5</li> <li>NEG</li> <li>NONE</li> <li>NONE</li> <li>NORML</li> <li>NORML</li> <li>NEG</li> <li>1</li> <li>54</li> <li>51</li> <li>7</li> <li>8</li> <li>19</li> <li>39</li> <li>513</li> <li>127</li> </ul>	45 2 NEG NONE LIGHT NONE NORML NORML 2 61 54 0 7 <1 21 21 503 93	

Submitted By: TECHNICIAN ACCOUNT



**JRE - MANASSAS PARK** Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. : JR0218571 Received 9107 OWENS DRIVE : 15 Jul 2024 Lab Number : 06236427 Tested MANASSAS PARK, VA : 16 Jul 2024 Unique Number : 11125261 : 17 Jul 2024 - Sean Felton US 20111 Diagnosed 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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