

Machine Id JOHN DEERE 350G 1FF350GXCKF814067 Component Right Final Drive Fluid JOHN DEERE GL-5 80W90 (--- GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.

WEAR

All component wear rates are normal.

CONTAMINATION

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

FLUID CONDITION

The oil is no longer serviceable due to the presence of contaminants.

Teet		Mathaal	Line H / Alexe	(Llistend	L lister v
Test	UOM	Method	Limit/Abn	Current	HISTORY I	HISTORY2
Sample Number		Client Info		JR0209743	JR019/586	JR0190774
Sample Date		Client Info		19 May 2024	28 Jan 2024	27 Nov 2023
Machine Age	hrs	Client Info		4965	4571	4023
Oil Age	hrs	Client Info		4965	4571	4023
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				SEVERE	ABNORMAL	SEVERE
PQ		ASTM D8184	>1250	344	240	1088
Iron	ppm	ASTM D5185m	>750	969	683	4 154
Chromium	ppm	ASTM D5185m	>9	6	4	▲ 38
Nickel	ppm	ASTM D5185m	>10	0	0	6
Titanium	ppm	ASTM D5185m		4	4	28
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	66	44	354
Lead	ppm	ASTM D5185m	>15	0	0	<1
Copper	ppm	ASTM D5185m	>40	2	1	8
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal Silicon	scalar ppm	*Visual ASTM D5185m	NONE	NONE 248	NONE	NONE 1385
Yellow Metal Silicon Potassium	scalar ppm ppm	*Visual ASTM D5185m ASTM D5185m	>75 >20	NONE 248 6	NONE 180 7	NONE 1385 42
Yellow Metal Silicon Potassium Water	scalar ppm ppm	*Visual ASTM D5185m ASTM D5185m WC Method	>75 >20 >0.075	NONE 248 6 NEG	NONE 180 7 NEG	NONE 1385 42 NEG
Yellow Metal Silicon Potassium Water Silt	scalar ppm ppm scalar	*Visual ASTM D5185m ASTM D5185m WC Method *Visual	>75 >20 >0.075 NONE	NONE 248 6 NEG NONE	NONE 180 7 NEG LIGHT	NONE
Yellow Metal Silicon Potassium Water Silt Debris	scalar ppm ppm scalar scalar	*Visual ASTM D5185m ASTM D5185m WC Method *Visual *Visual	 >75 >20 >0.075 NONE NONE 	NONE 248 6 NEG NONE NONE	NONE 180 7 NEG LIGHT NONE	NONE
Yellow Metal Silicon Potassium Water Silt Debris Sand/Dirt	scalar ppm ppm scalar scalar scalar	*Visual ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual	>75 >20 >0.075 NONE NONE NONE	NONE 248 6 NEG NONE NONE NONE	NONE 180 7 NEG LIGHT NONE NONE	NONE 1385 42 NEG NONE NONE NONE
Yellow Metal Silicon Potassium Water Silt Debris Sand/Dirt Appearance	scalar ppm scalar scalar scalar scalar	*Visual ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual	>75 >20 >0.075 NONE NONE NONE NONE NONE	NONE 248 6 NEG NONE NONE NONE NORE	NONE 180 7 NEG LIGHT NONE NONE NORML	NONE 1385 42 NEG NONE NONE NONE NONE
Yellow Metal Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor	scalar ppm ppm scalar scalar scalar scalar scalar	*Visual ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual	>75 >20 >0.075 NONE NONE NONE NORML NORML	NONE 248 6 NEG NONE NONE NONE NORML NORML	NONE 180 7 NEG LIGHT NONE NONE NORML NORML	NONE 1385 42 NEG NONE NONE NONE NONE NORML NORML
Yellow Metal Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water	scalar ppm scalar scalar scalar scalar scalar scalar	*Visual ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual	NONE >75 >20 >0.075 NONE NONE NONE NORML NORML >0.075	NONE 248 6 NEG NONE NONE NONE NORML NEG	NONE 180 7 NEG LIGHT NONE NONE NORML NORML NEG	NONE 1385 42 NEG NONE NONE NONE NORML NORML NEG
Yellow Metal Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium	scalar ppm scalar scalar scalar scalar scalar scalar scalar	*Visual ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m	NONE >75 >20 >0.075 NONE NONE NORML NORML >0.075 >51	NONE 248 6 NEG NONE NONE NORML NORML NEG 12	NONE 180 7 NEG LIGHT NONE NONE NORML NORML NEG 3	NONE 1385 42 NEG NONE NONE NORML NORML NEG 53
Yellow Metal Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	scalar ppm scalar scalar scalar scalar scalar scalar scalar ppm	*Visual ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m	NONE >75 >20 >0.075 NONE NONE NONE NORML >0.075 >51	NONE 248 6 NEG NONE NONE NONE NORML NEG 12 5	NONE 180 7 NEG LIGHT NONE NONE NORML NORML NEG 3 10	NONE
Yellow Metal Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium	scalar ppm scalar scalar scalar scalar scalar scalar ppm ppm	*Visual ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m	NONE >75 >20 >0.075 NONE NONE NORML NORML >0.075 >51	NONE 248 6 NEG NONE NONE NORML NORML NEG 12 5 <1	NONE 180 7 NEG LIGHT NONE NORML NORML NEG 3 10 1	NONE 1385 42 NEG NONE NONE NONE NORML NORML NEG 53 29 0
Yellow Metal Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum	scalar ppm scalar scalar scalar scalar scalar scalar ppm ppm	*Visual ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m	NONE >75 >20 >0.075 NONE NONE NORML NORML >0.075 >51	NONE 248 6 NEG NONE NONE NORML NORML NEG 12 5 <1 6	NONE 180 7 NEG LIGHT NONE NORML NORML NEG 3 10 1 8	NONE
Yellow Metal Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese	scalar ppm scalar scalar scalar scalar scalar scalar ppm ppm ppm	*Visual ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NONE >75 >20 >0.075 NONE NONE NONE NORML >0.075 >51	NONE 248 6 NEG NONE NONE NONE NORML NEG 12 5 <1 6 8	NONE 180 7 NEG LIGHT NONE NONE NORML NORML NEG 3 10 1 8 6	NONE
Yellow Metal Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium	scalar ppm scalar scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm	*Visual ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NONE >20 >0.075 NONE NONE NORML >0.075 >51	NONE 248 6 NEG NONE NONE NORML NORML 12 5 <1 6 8 24	NONE 180 7 NEG LIGHT NONE NONE NORML NORML NEG 3 10 1 8 6 30	NONE
Yellow Metal Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium	scalar ppm scalar scalar scalar scalar scalar scalar ppm ppm ppm ppm	*Visual ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NONE >75 >20 >0.075 NONE NONE NORML >0.075 >51	NONE 248 6 NEG NONE NONE NORML NORML NEG 12 5 <1 6 8 24 40	NONE	NONE 1385 42 NEG NONE NONE NORML NORML NEG 53 29 0 2 45 36 80
Yellow Metal Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	scalar ppm scalar scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm	*Visual ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NONE >75 >20 >0.075 NONE NONE NORML >0.075 >51	NONE 248 6 NEG NONE NONE NORML NORML 12 5 <1 6 8 24 40 1962	NONE	NONE 42 NEG NONE NONE NORML NORML 1 NORML 29 0 2 45 36 80 455
Yellow Metal Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	scalar ppm scalar scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm ppm	*Visual ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NONE >20 >0.075 NONE NONE NORML >0.075 >51	NONE 248 6 NEG NONE NONE NONE NORML NEG 12 5 <1 6 8 24 40 1962 26	NONE 180 7 NEG LIGHT NONE NONE NORML NORML NEG 3 10 1 8 6 30 52 2108 26	NONE 1385 42 NEG NONE NONE NORML NORML NEG 53 29 0 2 45 36 80 455 4
Yellow Metal Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	scalar ppm scalar scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm ppm ppm	*Visual ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NONE >75 >20 >0.075 NONE NONE NORML >0.075 >51	NONE 248 6 NEG NONE NONE NONE NORML NEG 12 5 <1 6 8 24 40 1962 26 28576	NONE 180 7 NEG LIGHT NONE NORML NORML NORML NEG 3 10 1 8 6 30 52 2108 26 2108	NONE 1385 42 NEG NONE NONE NORML NORML NORML S3 29 0 2 45 36 80 455 4 29237



: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : JR0209743 Received : 21 May 2024 4161 AUBURN CHURCH RD Sample No. Ĕ : 06186450 GARNER, NC Lab Number Tested : 22 May 2024 Unique Number : 11043202 : 23 May 2024 - Sean Felton US 27529 Diagnosed Test Package : CONST (Additional Tests: PQ) Contact: RALEIGH SHOP Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. sean.betts@jamesriverequipment.com;catherine.anastasio@wearcheck.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (919)614-2260 F: (919)779-5432 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)