

JOHN DEERE 350G 1FF350GXTHF812256

Component Swing Drive Gear Case

GEAR OIL SAE 90 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

WEAR

All component wear rates are normal.

CONTAMINATION

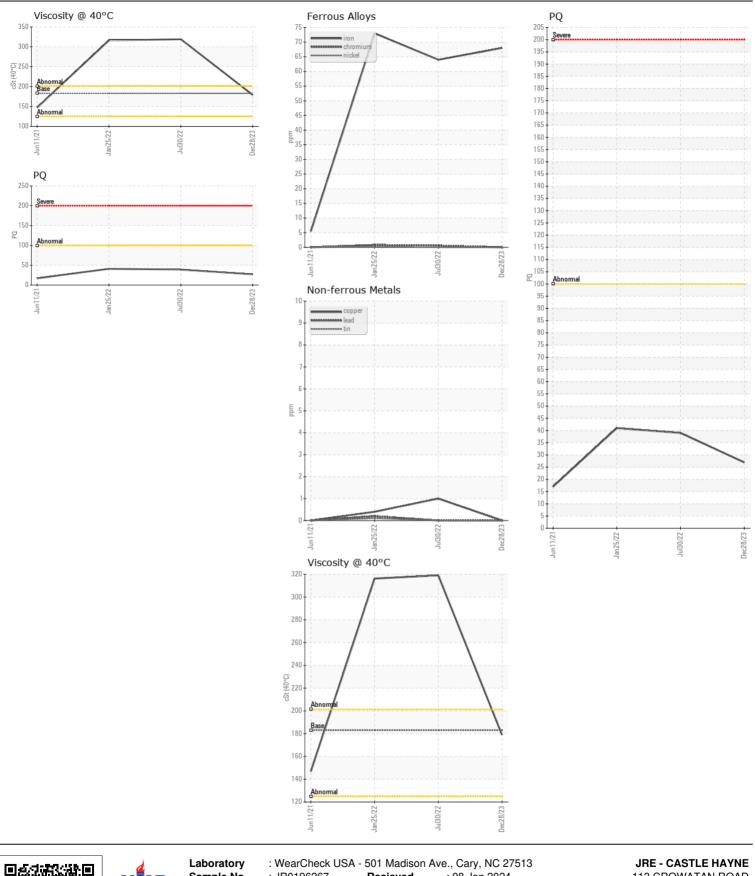
There is no indication of any contamination in the oil.

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		JR0196267	JR0118218	JR0105321
Sample Date		Client Info		28 Dec 2023	30 Jul 2022	25 Jan 2022
Machine Age	hrs	Client Info		4539	2944	2518
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Changed	N/A
Filter Changed		Client Info		N/A	N/A	Changed
Sample Status				NORMAL	NORMAL	ATTENTION
PQ		ASTM D8184		27	39	41
Iron	ppm	ASTM D5185m	>200	68	64	73
Chromium	ppm	ASTM D5185m	>10	0	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m		0	0	2
Lead	ppm	ASTM D5185m		0	0	<1
Copper	ppm	ASTM D5185m		0	1	<1
Tin	ppm	ASTM D5185m		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
Yellow Metal Silicon	scalar ppm	*Visual ASTM D5185m	NONE	NONE 16	NONE 9	NONE 10
	ppm		NONE			
Silicon		ASTM D5185m		16	9	10
Silicon Potassium	ppm	ASTM D5185m ASTM D5185m	>20	16 <1	9 0	10 <1
Silicon Potassium Water	ppm ppm	ASTM D5185m ASTM D5185m WC Method	>20 >0.2	16 <1 NEG	9 0 NEG	10 <1 NEG
Silicon Potassium Water Silt	ppm ppm scalar	ASTM D5185m ASTM D5185m WC Method *Visual	>20 >0.2 NONE	16 <1 NEG NONE	9 0 NEG NONE	10 <1 NEG NONE
Silicon Potassium Water Silt Debris	ppm ppm scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual	>20 >0.2 NONE NONE	16 <1 NEG NONE NONE	9 0 NEG NONE NONE	10 <1 NEG NONE NONE
Silicon Potassium Water Silt Debris Sand/Dirt	ppm ppm scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual	>20 >0.2 NONE NONE NONE	16 <1 NEG NONE NONE NONE	9 0 NEG NONE NONE NONE	10 <1 NEG NONE NONE 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	>20 >0.2 NONE NONE NONE NORML	16 <1 NEG NONE NONE NONE NORML	9 0 NEG NONE NONE NONE NORML	10 <1 NEG NONE NONE 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	>20 >0.2 NONE NONE NONE NORML NORML	16 <1 NEG NONE NONE NONE NORML NORML	9 0 NEG NONE NONE NONE NORML NORML	10 <1 NEG NONE NONE 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	>20 >0.2 NONE NONE NONE NORML NORML	16 <1 NEG NONE NONE NORE NORML NEG	9 0 NEG NONE NONE NONE NORML NORML NEG	10 <1 NEG NONE NONE NORM NORML NEG
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium	ppm ppm scalar scalar scalar scalar scalar scalar ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>20 >0.2 NONE NONE NORML NORML >0.2	16 <1 NEG NONE NONE NORML NORML NEG 2	9 0 NEG NONE NONE NORML NORML NEG 3	10 <1 NEG NONE NONE NORML NORML NEG 4
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	ppm ppm scalar scalar scalar scalar scalar scalar gpm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>20 >0.2 NONE NONE NORML >0.2	16 <1 NEG NONE NONE NORML NORML NEG 2 23	9 0 NEG NONE NONE NORML NORML NEG 3 6	10 <1 NEG NONE NONE NORML NORML NEG 4 25
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	>20 >0.2 NONE NONE NORML NORML >0.2	16 <1 NEG NONE NONE NORML NORML NEG 2 2 23 0	9 0 NEG NONE NONE NORML NORML NEG 3 6 <1	10 <1 NEG NONE NONE NORML NORML NEG 4 25 <1
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum	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	>20 >0.2 NONE NONE NORML NORML >0.2	16 <1 NEG NONE NONE NORML NORML NEG 2 23 0 14	9 0 NEG NONE NONE NORML NORML NEG 3 6 4 0	10 <1 NEG NONE NONE NORML NORML NEG 4 25 <1 3
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese	ppm ppm scalar 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	>20 >0.2 NONE NONE NORML NORML >0.2 400 200 12	16 <1 NEG NONE NONE NORML NORML NEG 2 23 0 14 0	9 0 NEG NONE NONE NORML NORML NEG 3 6 <1 0 <1	10 <1 NEG NONE NONE NORML NORML NEG 4 25 <1 3 1
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	>20 >0.2 NONE NONE NORML >0.2 400 200 12	16 <1 NEG NONE NONE NORML NORML NEG 2 23 0 14 0 14	9 0 NEG NONE NONE NORML NORML NEG 3 6 <1 0 <1 0	10 <1 NEG NONE NONE NORML NORML NEG 4 25 <1 3 1 10
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	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	 >20 >0.2 NONE NORML NORML >0.2 400 200 12 12 12 150 	16 <1 NEG NONE NONE NORML NORML NEG 2 23 0 14 0 14 0 47 78	9 0 NEG NONE NONE NORML NORML NEG 3 6 <1 0 <1 0 22	10 <1 NEG NONE NONE NORML NORML NEG 4 25 <1 3 1 10 32
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	 >20 >0.2 NONE NONE NORML NORML >0.2 400 200 12 150 1650 	16 <1 NEG NONE NONE NORML NORML NEG 2 23 0 14 0 14 0 47 78 1739	9 0 NEG NONE NONE NORML NORML NEG 3 6 4 0 <1 0 <1 0 22 2041	10 <1 NEG NONE NONE NORML NORML NEG 4 25 <1 3 1 10 32 2170

Submitted By: TECHNICIAN ACCOUNT



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. : JR0196267 Recieved : 08 Jan 2024 113 CROWATAN ROAD Lab Number : 06054222 : 09 Jan 2024 CASTLE HAYNE, NC Diagnosed : 10820171 Diagnostician : Wes Davis US 28429-5819 Unique Number Test Package : CONST (Additional Tests: PQ) Contact: WILMINGTON SHOP Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. todd.simmons@jamesriverequipment.com;canastasio@wearcheck.com;canastasio@we * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (910)675-9211 F: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)