

[W9108] JOHN DEERE 160G 1FF160GXJMF058343 Component Swing Drive Fluid INDEERE CL 5 80W00 (7 OTS)

JOHN DEERE GL-5 80W90 (7 QTS)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: W9108)

WEAR

All component wear rates are normal.

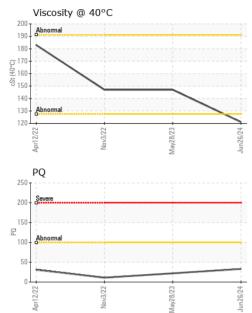
CONTAMINATION

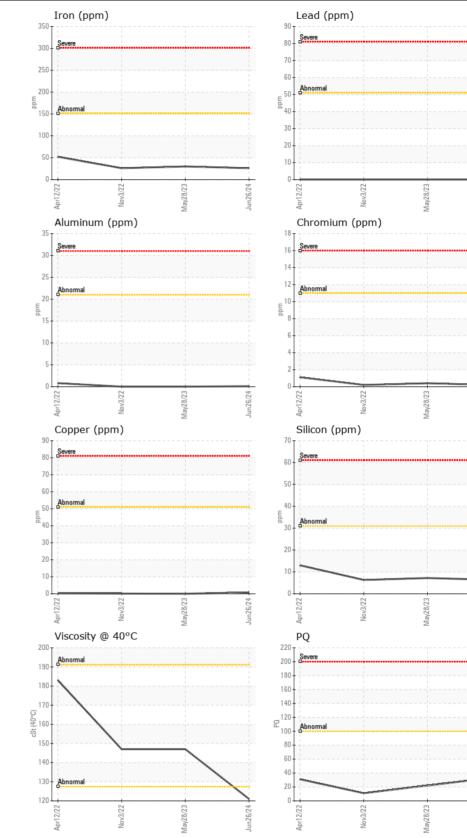
There is no indication of any contamination in the oil.

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		JR0197138	JR0167521	JR0082422
Sample Date		Client Info		26 Jun 2024	28 May 2023	03 Nov 2022
Machine Age	hrs	Client Info		2466	2165	1993
Oil Age	hrs	Client Info		301	172	1993
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Changed	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
PQ		ASTM D8184		33	22	11
Iron	nnm	ASTM D0104 ASTM D5185m	>151	26	30	26
-	ppm					
Chromium Nickel	ppm	ASTM D5185m	>11	<1	<1	<1 0
Titanium	ppm	ASTM D5185m	>10	<1	0	
	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m ASTM D5185m	. 01	0	0	0
Aluminum	ppm		>21	<1	0	0
Lead	ppm	ASTM D5185m	>51	0	0	0
Copper	ppm	ASTM D5185m	>51	<1	0	<1
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	scalar ppm	ASTM D5185m	>31	NONE 6	NONE 7	6 NONE
Silicon	ppm	ASTM D5185m	>31	6	7	6
Silicon Potassium	ppm	ASTM D5185m ASTM D5185m	>31 >20	6 4	7 <1	6 2
Silicon Potassium Water	ppm ppm	ASTM D5185m ASTM D5185m WC Method	>31 >20 >0.1	6 4 NEG	7 <1 NEG	6 2 NEG
Silicon Potassium Water Silt	ppm ppm scalar	ASTM D5185m ASTM D5185m WC Method *Visual	>31 >20 >0.1 NONE	6 4 NEG NONE	7 <1 NEG NONE	6 2 NEG NONE
Silicon Potassium Water Silt Debris	ppm ppm scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual	>31 >20 >0.1 NONE NONE	6 4 NEG NONE NONE	7 <1 NEG NONE NONE	6 2 NEG NONE NONE
Silicon Potassium Water Silt Debris Sand/Dirt	ppm ppm scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual	>31 >20 >0.1 NONE NONE NONE	6 4 NEG NONE NONE NONE	7 <1 NEG NONE NONE NONE	6 2 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	>31 >20 >0.1 NONE NONE NONE NORML	6 4 NEG NONE NONE NONE NORML	7 <1 NEG NONE NONE NONE NORML	6 2 NEG NONE NONE NONE 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	>31 >20 >0.1 NONE NONE NORML NORML >0.1	6 4 NEG NONE NONE NONE NORML NORML NEG	7 <1 NEG NONE NONE NONE NORML NEG	6 2 NEG NONE NONE NONE 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 ASTM D5185m	>31 >20 >0.1 NONE NONE NORML NORML	6 4 NEG NONE NONE NORML NORML NEG 3	7 <1 NEG NONE NONE NORML NORML NEG <1	6 2 NEG NONE NONE NORML NORML NEG 0
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	>31 >20 >0.1 NONE NONE NORML NORML >0.1	6 4 NEG NONE NONE NORML NORML NEG 3 37	7 <1 NEG NONE NONE NORML NORML NEG <1 24	6 2 NEG NONE NONE NONE NORML NEG
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	>31 >20 >0.1 NONE NONE NORML NORML >0.1	6 4 NEG NONE NONE NORML NORML NEG 3 37 <1	7 <1 NEG NONE NONE NORML NORML NEG <1 24 1	6 2 NEG NONE NONE NORML NORML NEG 0 21 4
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 *Visual ASTM D5185m	>31 >20 >0.1 NONE NONE NORML NORML >0.1	6 4 NEG NONE NONE NORML NORML NEG 3 37	7 <1 NEG NONE NONE NORML NORML NEG <1 24	6 2 NEG NONE NONE NONE NORML NORML NEG 0 21
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese	ppm ppm scalar scalar scalar scalar scalar gpm ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m	>31 >20 >0.1 NONE NONE NORML NORML >0.1	6 4 NEG NONE NONE NORML NORML NEG 3 37 <1 3	7 <1 NEG NONE NONE NORML NORML NEG <1 24 1 24 1 <1 <1	6 2 NEG NONE NONE NORML NORML NEG 0 21 4 4 <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 ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>31 >20 >0.1 NONE NONE NORML NORML >0.1	6 4 NEG NONE NONE NORML NORML NEG 3 37 <1 3 1	7 <1 NEG NONE NONE NORML NORML NEG <1 24 1 24	6 2 NEG NONE NONE NONE NORML NORML 0 21 4
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	>31 >20 >0.1 NONE NONE NORML NORML >0.1	6 4 NEG NONE NONE NORML NORML NEG 3 37 <1 3 7 <1 3 1 12	7 <1 NEG NONE NONE NORML NORML NEG <1 24 1 24 1 24 1 24 5	6 2 NEG NONE NONE NONE NORML NORML NEG 0 21 4 <1 <1 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 ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>31 >20 >0.1 NONE NONE NORML NORML >0.1	6 4 NEG NONE NONE NORML NORML NEG 3 37 <1 3 7 <1 3 1 12 38	7 <1 NEG NONE NONE NORML NORML NEG <1 24 1 24 1 <1 <1 <1 5 11	6 2 NEG NONE NONE NONE NORML NORML 2 0 21 4 0 21 4
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	>31 >20 >0.1 NONE NONE NORML NORML >0.1	6 4 NEG NONE NONE NORML NORML NEG 3 37 <1 3 37 <1 3 1 12 38 617 21	7 <1 NEG NONE NONE NORML NORML NEG <1 24 1 24 1 24 1 24 1 5 11 5 11 5 11 390 3	6 2 NEG NONE NONE NONE NORML NORML NEG 0 21 4 < 1 1 7 42 361 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 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	>31 >20 >0.1 NONE NONE NORML NORML >0.1	6 4 NEG NONE NONE NORML NORML NEG 3 37 <1 3 1 12 38 617	7 <1 NEG NONE NONE NORML NORML NEG <1 24 1 24 1 24 1 24 1 5 11 5 11 390	6 2 NEG NONE NONE NONE NORML NORML 0 21 4 <1 <1 7 42 361





JRE - HOPE MILLS/FAYETTEVILLE Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. : JR0197138 Received 5039 HWY 301 SOUTH : 28 Jun 2024 Lab Number : 06223676 HOPE MILLS, NC Tested : 01 Jul 2024 Unique Number : 11101873 : 01 Jul 2024 - Don Baldridge US 28348 Diagnosed Test Package : MOBCE (Additional Tests: PQ) Contact: FAYETTEVILLE SHOP Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. stephen.mullis@jamesriverequipment.com;canastasio@wearcheck.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: F: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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