

Area

WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL



RECOMMENDATION

JOHN DEERE 210G 1FF210GXEMF529659

Pump Drive

JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (1 QTS)

Resample at the next service interval to monitor. (Customer Sample
Comment: W8930)

[W8930]

W	Α	R

All component wear rates are normal.

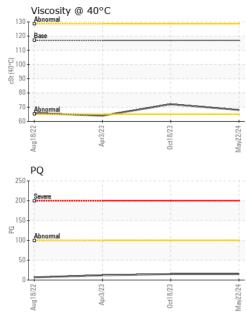
CONTAMINATION

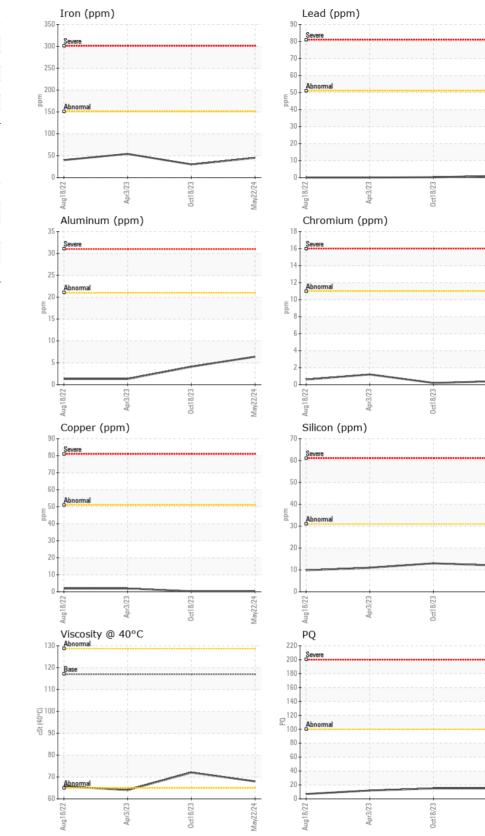
There is no indication of any contamination in the oil.

EL L				
FLU	עונ	COr		

The condition of the oil is acceptable for the time in service.

5 50 11 15 10						
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0196972	JR0185420	JR0160875
Sample Date		Client Info		22 May 2024	18 Oct 2023	03 Apr 2023
Machine Age	hrs	Client Info		2019	1568	1058
Oil Age	hrs	Client Info		1509	1568	1058
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
PQ		ASTM D8184		15	15	12
Iron	ppm	ASTM D5185m	>151	45	30	54
Chromium	ppm	ASTM D5185m	>11	 <1	<1	1
Nickel	ppm	ASTM D5185m	>10	1	0	0
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>21	6	4	1
Lead	ppm	ASTM D5185m	>51	1	<1	0
Copper	ppm	ASTM D5185m	>51	<1	<1	2
Tin	ppm	ASTM D5185m	>4	<1	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	MODER	LIGHT
		*1/2 1	NONE		NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>31	12	13	11
Silicon Potassium		ASTM D5185m ASTM D5185m	>31 >20	12 3	13 2	11 <1
Silicon Potassium Water	ppm ppm	ASTM D5185m ASTM D5185m WC Method	>31 >20 >0.1	12 3 NEG	13 2 NEG	11 <1 NEG
Silicon Potassium Water Silt	ppm ppm scalar	ASTM D5185m ASTM D5185m WC Method *Visual	>31 >20 >0.1 NONE	12 3 NEG NONE	13 2 NEG NONE	11 <1 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	12 3 NEG NONE NONE	13 2 NEG NONE NONE	11 <1 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	12 3 NEG NONE NONE NONE	13 2 NEG NONE NONE NONE	11 <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	>31 >20 >0.1 NONE NONE NONE NORML	12 3 NEG NONE NONE NONE NORML	13 2 NEG NONE NONE NONE NORML	11 <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 *Visual	>31 >20 >0.1 NONE NONE NORML NORML	12 3 NEG NONE NONE NONE NORML NORML	13 2 NEG NONE NONE NONE NORML NORML	11 <1 NEG NONE NONE 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	>31 >20 >0.1 NONE NONE NONE NORML	12 3 NEG NONE NONE NONE NORML	13 2 NEG NONE NONE NONE NORML	11 <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 *Visual	>31 >20 >0.1 NONE NONE NORML NORML	12 3 NEG NONE NONE NONE NORML NORML	13 2 NEG NONE NONE NONE NORML NORML	11 <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	>31 >20 >0.1 NONE NONE NORML NORML >0.1	12 3 NEG NONE NONE NONE NORML NORML NEG	13 2 NEG NONE NONE NONE NORML NEG	11 <1 NONE NONE NONE NORML NORML NEG
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium	ppm ppm scalar scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>31 >20 >0.1 NONE NONE NORML NORML >0.1	12 3 NEG NONE NONE NORML NORML NEG 4 314 0	13 2 NEG NONE NONE NORML NORML NEG 0	11 <pre></pre>
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	ppm ppm scalar scalar scalar scalar scalar scalar gpm	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	12 3 NEG NONE NONE NORML NORML NEG 4 314 0 265	13 2 NEG NONE NONE NORML NORML NEG 0 326 0 271	11 NEG NONE NONE NORML NORML NEG 4 66 3 108
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	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	12 3 NEG NONE NONE NORML NORML NEG 4 314 0 265 1	13 2 NEG NONE NONE NORML NORML NEG 0 326 0 326 0 271 <1	11 I NEG NONE NONE NORML NORML NORML 0 A 66 3 108 3
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium	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 ASTM D5185m ASTM D5185m	>31 >20 >0.1 NONE NONE NORML NORML >0.1	12 3 NEG NONE NONE NORML NORML NEG 4 314 0 265 1 905	13 2 NEG NONE NONE NORML NORML NEG 0 326 0 271 <1 771	11 11 NEG NONE NONE NORML NORML NORML NEG 4 66 3 108 3 29
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Manganese Magnesium	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 ASTM D5185m ASTM D5185m	>31 >20 >0.1 NONE NONE NORML NORML >0.1	12 3 NEG NONE NONE NORML NORML NEG 4 314 0 265 1 905 1764	13 2 NEG NONE NONE NORML NORML NEG 0 326 0 271 <1 271 1681	11 NEG NONE NONE NORML NORML NEG 4 66 3 108 3 29 4351
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	>31 >20 >0.1 NONE NONE NORML NORML >0.1	12 3 NEG NONE NONE NORML NORML NEG 4 314 0 265 1 905 1764 1063	13 2 NEG NONE NONE NORML NORML NEG 0 326 0 326 0 271 <1 771 1681 1097	11 I NEG NONE NONE NORML NORML NEG 4 66 3 108 3 29 4351 1166
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Barium Molybdenum Manganese Magnesium Calcium Phosphorus	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 ASTM D5185m	>31 >20 >0.1 NONE NONE NORML NORML >0.1	12 3 NEG NONE NONE NORML NORML NEG 4 314 0 265 1 905 1764 1063 1259	13 2 NEG NONE NONE NORM NORM NORM NEG 0 326 0 271 <1 271 <1 61 1681 1097 1148	11 11 NEG NONE NONE NORML NORML NORML NORML 0 108 3 29 4351 1166 1358
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	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	12 3 NEG NONE NONE NORML NORML NEG 4 314 0 265 1 905 1764 1063	13 2 NEG NONE NONE NORML NORML NEG 0 326 0 326 0 271 <1 771 1681 1097	11 NEG NONE NONE NORML NORML NEG 4 66 3 108 3 29 4351 1166





JRE - HOPE MILLS/FAYETTEVILLE Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 : JR0196972 5039 HWY 301 SOUTH Sample No. Received : 24 May 2024 : 06190763 HOPE MILLS, NC Lab Number Tested : 29 May 2024 Unique Number : 11047515 : 29 May 2024 - Sean Felton 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)

ş

Aav22/24

CICCNE