

WEAR ATTENTION CONTAMINATION ABNORMAL FLUID CONDITION NORMAL



Area Store 4 - Fairmont JOHN DEERE 210G 1FF210GXKNF530219

Right Propel Gearbox

JOHN DEERE HY-GARD HYD/TRANS (2 GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

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

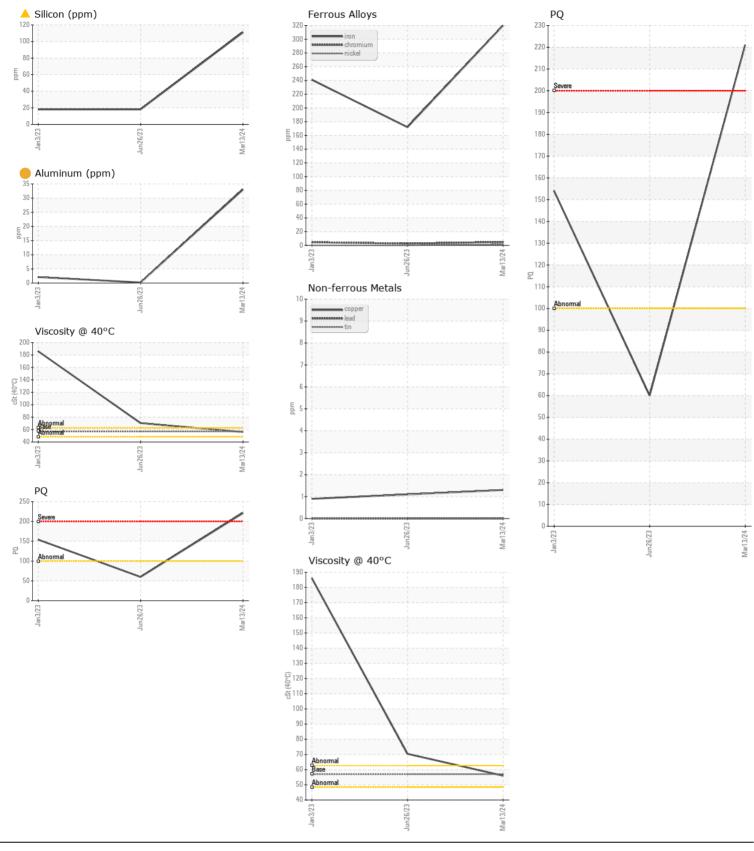
FLUID CONDITION

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

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Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0049699	LEC0043263	LEC0038141
Sample Date		Client Info		13 Mar 2024	26 Jun 2023	03 Jan 2023
Machine Age	hrs	Client Info		1781	1006	621
Oil Age	hrs	Client Info		775	385	621
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		None	None	N/A
Sample Status				ABNORMAL	ATTENTION	NORMAL
					00	4 5 4
PQ		ASTM D8184	1050	221	60	154
Iron	ppm	ASTM D5185m	>1250	320	172	241
Chromium	ppm	ASTM D5185m	>10	5	3	4
Nickel	ppm	ASTM D5185m	>10	1	0	0
Titanium	ppm	ASTM D5185m		2	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m		933	<1	2
Lead	ppm	ASTM D5185m		0	0	0
Copper	ppm	ASTM D5185m		1	1	<1
Tin	ppm	ASTM D5185m		0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal Silicon	scalar ppm	*Visual ASTM D5185m	NONE	NONE	NONE 18	NONE 18
			NONE			
Silicon	ppm	ASTM D5185m		1 11	18	18
Silicon Potassium	ppm	ASTM D5185m ASTM D5185m	>20	▲ 111 10	18 3	18 2
Silicon Potassium Water	ppm ppm	ASTM D5185m ASTM D5185m WC Method	>20 >0.2	111 10 NEG	18 3 NEG	18 2 NEG
Silicon Potassium Water Silt	ppm ppm scalar	ASTM D5185m ASTM D5185m WC Method *Visual	>20 >0.2 NONE	 111 10 NEG MODER 	18 3 NEG LIGHT	18 2 NEG NONE
Silicon Potassium Water Silt Debris	ppm ppm scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual	>20 >0.2 NONE NONE	 111 10 NEG MODER NONE 	18 3 NEG LIGHT NONE	18 2 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	 111 10 NEG MODER NONE NONE 	18 3 NEG LIGHT NONE NONE	18 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	>20 >0.2 NONE NONE NONE NORML	 111 10 NEG MODER NONE NORML 	18 3 NEG LIGHT NONE NONE NORML	18 2 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	>20 >0.2 NONE NONE NONE NORML NORML	 111 10 NEG MODER NONE NORML NORML 	18 3 NEG LIGHT NONE NONE NORML NORML	18 2 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	 111 10 NEG MODER NONE NORM NORML NEG 	18 3 NEG LIGHT NONE NONE NORML NEG	18 2 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 *Visual ASTM D5185m	>20 >0.2 NONE NONE NORML NORML >0.2	 111 10 NEG MODER NONE NORML NORML NEG 0 	18 3 NEG LIGHT NONE NONE NORML NEG 0	18 2 NEG NONE NONE NORML NORML NEG <1
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 *Visual ASTM D5185m	>20 >0.2 NONE NONE NORML >0.2	 111 10 NEG MODER NONE NORML NORML NEG 0 12 	18 3 NEG LIGHT NONE NORML NORML NEG 0 38	18 2 NEG NONE NONE NORML NORML NEG <1 67
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	 111 10 NEG MODER NONE NORML NORML NEG 0 12 0 	18 3 NEG LIGHT NONE NORML NORML NEG 0 38 <1	18 2 NEG NONE NONE NORML NORML NEG <1 67 0
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 ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.2 NONE NONE NORML NORML >0.2	 111 10 NEG MODER NONE NORML NORML NEG 0 12 0 4 	18 3 NEG LIGHT NONE NORML NORML NEG 0 38 <1 <1	18 2 NEG NONE NONE NORML NORML NEG <1 67 0 <1
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 ASTM D5185m	>20 >0.2 NONE NONE NORML NORML >0.2	 111 10 NEG MODER NONE NORML NORML NEG 0 12 0 4 4 	18 3 NEG LIGHT NONE NORML NORML NEG 0 38 <1 <1 3	18 2 NEG NONE NONE NORML NORML NEG <1 67 0 <1 5
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 NORML >0.2 6 0 0	 111 10 NEG MODER NONE NORML NORML NEG 0 12 0 4 4 106 	18 3 NEG LIGHT NONE NORML NORML NEG 0 38 <1 <1 3 77	18 2 NEG NONE NONE NORML NORML NEG <1 67 0 <1 5 2
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 ASTM D5185m	 >20 >0.2 NONE NONE NORML NORML >0.2 6 0 0 145 3570 	 111 10 NEG MODER NONE NORML NORML NEG 0 12 0 4 4 106 3251 	18 3 NEG LIGHT NONE NORML NORML NEG 0 38 <1 38 <1 3 3 77 2834	18 2 NEG NONE NONE NORML NORML NEG <1 67 0 <1 5 5 2 25
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 >0.2 0 0 145 3570 1290 	 111 10 NEG MODER NONE NORML NORML NEG 0 12 0 4 4 106 3251 972 	18 3 NEG LIGHT NONE NORML NORML NEG 0 38 <1 <1 <1 3 77 2834 917	18 2 NEG NONE NONE NORML NORML NEG <1 67 0 <1 67 0 <1 5 2 2 25 497

Submitted By: JOHN MARTIN

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: WearCheck USA - 501 Madison Ave., Cary, NC 27513 LESLIE EQUIPMENT COMPANY Laboratory Sample No. : LEC0049699 Received 105 TENNIS CENTER DR. : 19 Mar 2024 Lab Number : 06122720 : 20 Mar 2024 MARIETTA, OH Tested : 21 Mar 2024 - Don Baldridge US 45750-9765 Unique Number : 10936871 Diagnosed Test Package : CONST (Additional Tests: PQ) Contact: LEANNE KENDALL Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. KendalLeanne@lec1.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: F: (740)373-5570 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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