

WEAR ATTENTION CONTAMINATION ABNORMAL FLUID CONDITION NORMAL



Area Store 4 - Fairmont Machine Id JOHN DEERE 350G 1FF350GXAKF814122 Component

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

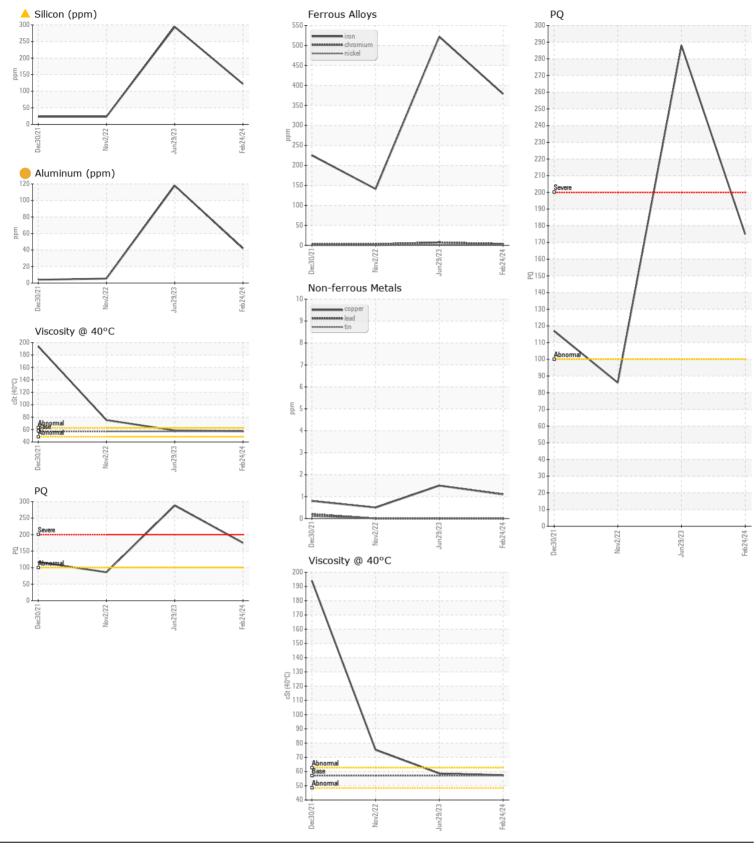
Elemental levels of silicon (Si) and aluminum (Al) indicate aluminasilicate (coarse dirt) ingress.

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		LEC0046700	LEC0041103	LEC0034293
Sample Date		Client Info		24 Feb 2024	29 Jun 2023	02 Nov 2022
Machine Age	hrs	Client Info		2136	1519	929
Oil Age	hrs	Client Info		617	590	492
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ATTENTION
PQ		ASTM D8184		175	288	86
Iron	ppm	ASTM D5185m	>1250	379	522	141
Chromium	ppm	ASTM D5185m	>10	4	7	3
Nickel	ppm	ASTM D5185m	>10	1	1	0
Titanium	ppm	ASTM D5185m		2	6	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m		4 2	118	5
Lead	ppm	ASTM D5185m		0	0	0
Copper	ppm	ASTM D5185m		1	2	<1
Tin	ppm	ASTM D5185m		0	0	0
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m		122	2 94	23
Silicon Potassium	ppm ppm	ASTM D5185m ASTM D5185m	>20	122 12	▲ 294 29	23 3
			>20 >0.2			
Potassium		ASTM D5185m		12	29	3
Potassium Water	ppm	ASTM D5185m WC Method	>0.2	12 NEG	29 NEG	3 NEG
Potassium Water Silt	ppm scalar	ASTM D5185m WC Method *Visual	>0.2 NONE	12 NEG NONE	29 NEG MODER	3 NEG NONE
Potassium Water Silt Debris	ppm scalar scalar	ASTM D5185m WC Method *Visual *Visual	>0.2 NONE NONE	12 NEG NONE NONE	29 NEG MODER NONE	3 NEG NONE NONE
Potassium Water Silt Debris Sand/Dirt	ppm scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual	>0.2 NONE NONE NONE	12 NEG NONE NONE NONE	29 NEG MODER NONE NONE	3 NEG NONE NONE NONE
Potassium Water Silt Debris Sand/Dirt Appearance	ppm scalar scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual *Visual	>0.2 NONE NONE NONE NORML	12 NEG NONE NONE NONE NORML	29 NEG MODER NONE NONE NORML	3 NEG NONE NONE NORML
Potassium Water Silt Debris Sand/Dirt Appearance Odor	ppm scalar scalar scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual	>0.2 NONE NONE NORML NORML	12 NEG NONE NONE NONE NORML NORML	29 NEG MODER NONE NONE NORML NORML	3 NEG NONE NONE NORML NORML
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water	ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual	>0.2 NONE NONE NORML NORML	12 NEG NONE NONE NORML NORML NEG	29 NEG MODER NONE NORML NORML NEG	3 NEG NONE NONE NORML NORML NEG
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium	ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>0.2 NONE NONE NORML NORML >0.2	12 NEG NONE NONE NORML NORML NEG	29 NEG MODER NONE NORML NORML NEG 4	3 NEG NONE NONE NORML NORML NEG 0
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	ppm scalar scalar scalar scalar scalar scalar ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m	>0.2 NONE NONE NORML NORML >0.2	12 NEG NONE NONE NORML NORML NEG 1	29 NEG MODER NONE NORML NORML NEG 4	3 NEG NONE NONE NORML NORML NEG 0 34
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium	ppm scalar scalar scalar scalar scalar scalar ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m	 >0.2 NONE NONE NORML >0.2 6 0 	12 NEG NONE NONE NORML NORML NEG 1 1 0	29 NEG NONE NONE NORML NORML NEG 4 11	3 NEG NONE NONE NORML NORML NEG 0 34 4
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium	ppm scalar scalar scalar scalar scalar scalar ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m	 >0.2 NONE NONE NORML >0.2 6 0 	12 NEG NONE NONE NORML NORML NEG 1 1 1 0 <1	29 NEG NONE NONE NORML NORML NEG 4 11 0 2	3 NEG NONE NONE NORML NORML NEG 0 34 4 3
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Barium Malybdenum Manganese Magnesium	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	 >0.2 NONE NONE NORML >0.2 6 0 0 145 3570 	12 NEG NONE NONE NORML NORML NEG 1 1 0 <1 4 105 3540	29 NEG NONE NONE NORML NORML NEG 4 11 0 2 8	3 NEG NONE NONE NORML NORML NEG 0 34 4 3 3 3 79 2555
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>0.2 NONE NONE NORML NORML >0.2 6 0 0	12 NEG NONE NONE NORML NORML NEG 1 1 0 <1 4 105	29 NEG NODER NONE NORML NORML NEG 4 11 0 2 8 107 3407 1026	3 NEG NONE NONE NORML NORML NEG 0 34 4 3 3 3 79 2555 886
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	 >0.2 NONE NONE NORML >0.2 6 0 0 145 3570 	12 NEG NONE NONE NORML NORML NEG 1 1 1 0 <1 4 105 3540 954 1265	29 NEG NONE NONE NORML NORML NEG 4 11 0 2 8 107 3407 1026	3 NEG NONE NONE NORML NORML NEG 0 34 4 3 3 79 2555 886 933
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	 >0.2 NONE NONE NORML >0.2 6 0 0 145 3570 1290 	12 NEG NONE NONE NORML NORML NEG 1 1 1 0 <1 4 105 3540 954	29 NEG NODER NONE NORML NORML NEG 4 11 0 2 8 107 3407 1026	3 NEG NONE NONE NORML NORML NEG 0 34 4 3 3 3 79 2555 886

Submitted By: STORE 4 - FAIRMONT - KENNY HARVEY



: WearCheck USA - 501 Madison Ave., Cary, NC 27513 LESLIE EQUIPMENT COMPANY Laboratory : 28 Feb 2024 105 TENNIS CENTER DR. Sample No. : LEC0046700 Received Lab Number : 06103255 MARIETTA, OH Tested :01 Mar 2024 Unique Number : 10901485 : 01 Mar 2024 - Don Baldridge US 45750-9765 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: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (740)373-5570