

JOHN DEERE 650K 1T0650KKCJF334869

Right Final Drive

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

RECOMMENDATION

No corrective action is recommended at this time. 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

There is a light concentration of water present in the oil.

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		JR0199432	JR0022202	
Sample Date		Client Info		18 Dec 2023	05 Aug 2019	
Machine Age	hrs	Client Info		4065	611	
Oil Age	hrs	Client Info		0	611	
Filter Age	hrs	Client Info		0	0	
Oil Changed		Client Info		Changed	Not Changd	
Filter Changed		Client Info		Changed	N/A	
Sample Status				ABNORMAL	ABNORMAL	
PQ		ASTM D8184	>1250	29	30	
Iron	ppm	ASTM D0104 ASTM D5185m	>750	29 101	54	
Chromium	ppm	ASTM D5185m	>9	1	1	
Nickel		ASTM D5185m	>10	0	0	
Titanium	ppm	ASTM D5185m	>10	0	0	
Silver	ppm	ASTM D5185m		-	0	
	ppm		>40	0	4	
Aluminum	ppm	ASTM D5185m		2 0		
Lead	ppm	ASTM D5185m	>15		3	
Copper	ppm	ASTM D5185m	>40	<1	<1	
Tin	ppm	ASTM D5185m	>10	0	0	
Vanadium	ppm	ASTM D5185m	NONE	0		
White Metal	scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Silicon	ppm	ASTM D5185m	>75	10	8	
Potassium	ppm	ASTM D5185m	>20	16	8	
				10		
Water	%	ASTM D6304	>0.075	▲ 0.303	▲ 0.276	
Water ppm Water			>0.075 >750		▲ 0.276 ▲ 2760	
	%	ASTM D6304		0.303		
ppm Water	% ppm	ASTM D6304 ASTM D6304	>750	▲ 0.303 ▲ 3030	2 760	
ppm Water Silt	% ppm scalar	ASTM D6304 ASTM D6304 *Visual	>750 NONE	 0.303 3030 NONE 	▲ 2760 NONE	
ppm Water Silt Debris	% ppm scalar scalar	ASTM D6304 ASTM D6304 *Visual *Visual	>750 NONE NONE	 0.303 3030 NONE NONE 	▲ 2760 NONE NONE	
ppm Water Silt Debris Sand/Dirt	% ppm scalar scalar scalar	ASTM D6304 ASTM D6304 *Visual *Visual *Visual	>750 NONE NONE NONE	 0.303 3030 NONE NONE NONE 	2760 NONE NONE NONE	
ppm Water Silt Debris Sand/Dirt Appearance	% ppm scalar scalar scalar scalar	ASTM D6304 ASTM D6304 *Visual *Visual *Visual *Visual	>750 NONE NONE NORE	 0.303 3030 NONE NONE NONE NORML 	 2760 NONE NONE NONE NORML 	
ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water	% ppm scalar scalar scalar scalar scalar scalar	ASTM D6304 ASTM D6304 *Visual *Visual *Visual *Visual *Visual *Visual	>750 NONE NONE NORML NORML >0.075	 0.303 3030 NONE NONE NORE NORML NORML 0.2% 	 2760 NONE NONE NORML NORML 0.2% 	
ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium	% ppm scalar scalar scalar scalar scalar scalar	ASTM D6304 ASTM D6304 *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>750 NONE NONE NORML >0.075	 0.303 3030 NONE NONE NORE NORML NORML 0.2% 	 2760 NONE NONE NORML NORML 0.2% 0 	
ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	% ppm scalar scalar scalar scalar scalar scalar ppm	ASTM D6304 ASTM D6304 *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>750 NONE NONE NORML NORML >0.075	 0.303 3030 NONE NONE NORE NORML NORML 0.2% 	 2760 NONE NONE NORML NORML 0.2% 	
ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium	% ppm scalar scalar scalar scalar scalar scalar ppm ppm	ASTM D6304 ASTM D6304 *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>750 NONE NONE NORML NORML >0.075 >51 6	 0.303 3030 NONE NONE NORML NORML 0.2% 8 2 	 2760 NONE NONE NORML NORML 0.2% 0 2 	
ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	% ppm scalar scalar scalar scalar scalar scalar scalar ppm ppm ppm ppm	ASTM D6304 ASTM D6304 *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m	>750 NONE NONE NORML >0.075 >51 6 0	 0.303 3030 NONE NONE NORML NORML 0.2% 8 2 0 	 2760 NONE NONE NORML 0.2% 0 2 0 	
ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum	% ppm scalar scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm	ASTM D6304 ASTM D6304 *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m	>750 NONE NONE NORML >0.075 >51 6 0	 0.303 3030 NONE NONE NORML NORML 0.2% 8 2 0 <1 	 2760 NONE NONE NORML NORML 0.2% 0 2 0 <1 	
ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese	% ppm scalar scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm	ASTM D6304 ASTM D6304 *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>750 NONE NONE NORM NORM >0.075 >51 6 0 0	 0.303 3030 NONE NONE NORML NORML 0.2% 8 2 0 <1 4 	 2760 NONE NONE NORML NORML 0.2% 0 2 0 <1 2 	
ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Manganese Magnesium Calcium	% ppm scalar scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm	ASTM D6304 ASTM D6304 *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>750 NONE NONE NORML NORML >0.075 >51 6 0 0	 0.303 3030 NONE NONE NORML NORML 0.2% 8 2 0 <1 4 97 	 2760 NONE NORML NORML 0.2% 0 2 0 <1 2 95 	
ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium	% ppm scalar scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm	ASTM D6304 ASTM D6304 *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>750 NONE NONE NORML >0.075 >51 6 0 0 0 0 145 3570	 0.303 3030 NONE NONE NORML NORML 0.2% 8 2 0 <1 4 97 3397 	 2760 NONE NORML NORML 0.2% 0 2 0 <1 2 95 3442 	
ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	% % ppm scalar scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm ppm ppm pp	ASTM D6304 ASTM D6304 *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	 >750 NONE NONE NORM >0.075 >51 6 0 0 145 3570 1290 	 0.303 3030 NONE NONE NORML NORML 0.2% 8 2 0 <1 4 97 3397 1090 	 2760 NONE NONE NORML NORML 0.2% 0 2 0 <1 2 95 3442 1054 	

Visc @ 40°C

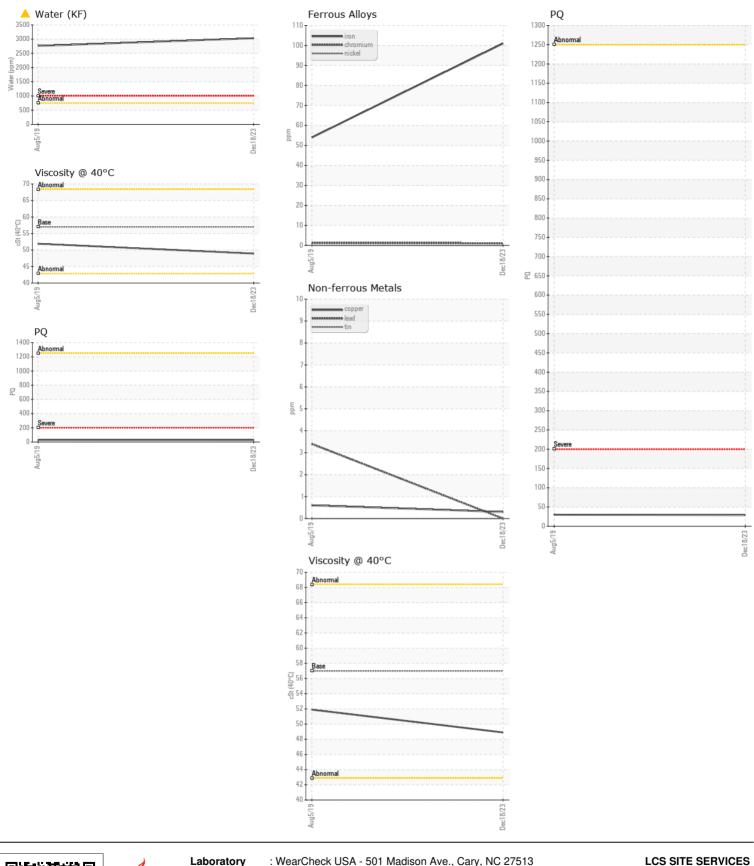
cSt

ASTM D445 57.0

Contact/Location: TREVOR DEMARK - LCSLOR

51.9

48.9



LCS SITE SERVICES Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. : JR0199432 Recieved : 08 Jan 2024 10212 RICHMOND HWY Lab Number : 06054260 Diagnosed LORTON, VA : 10 Jan 2024 Unique Number : 10820209 Diagnostician : Jonathan Hester US 22079 Test Package : CONST (Additional Tests: KF, PQ) Contact: TREVOR DEMARK Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. trevordemark@gmail.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (703)626-8761 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: