



OIL ANALYSIS REPORT

WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL

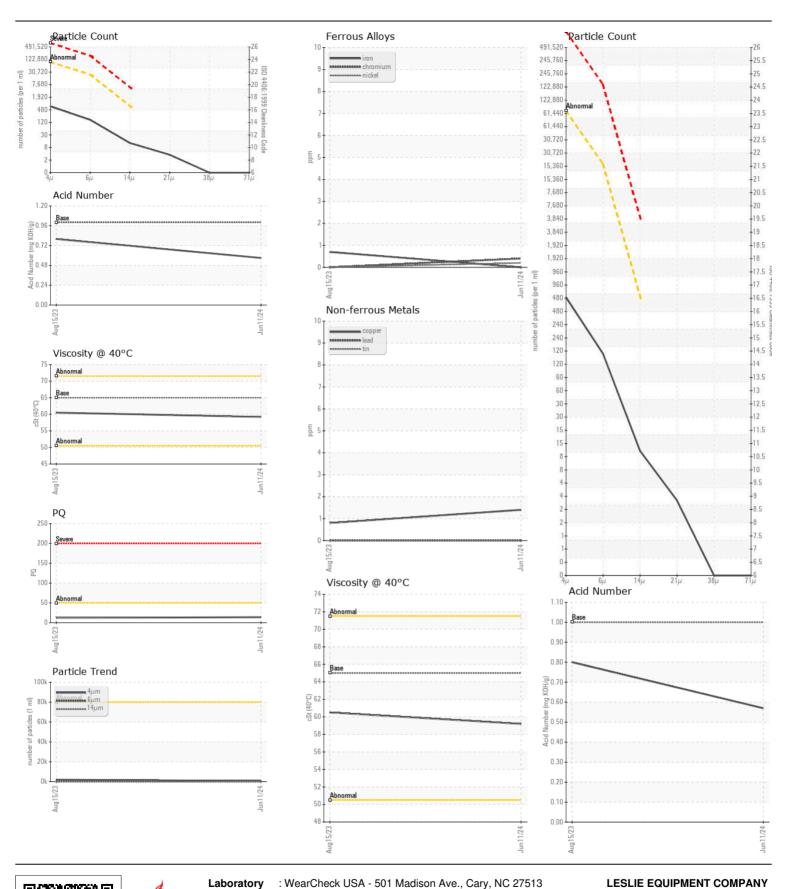
Area

## Store 4 - Fairmont [RO# 151854] JOHN DEERE 750L 1T0750LXHPF445779

Hydraulic System

JOHN DEERE HYDRAU (26 GAL)

Test   UOM   Method   Courent   Method   Meth	JOHN DEERE HYDRAU (26 GA	L)						
Resample at the next service interval to monitor.   Sample Number   Sample Date   Cilent Info   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   1020   11   11	RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	TESSIMILERSATION						,	
Machine Age	Resample at the next service interval to monitor.	•						
Oil Age			hrs	Client Info		1020		
Filter Age		Oil Age				1020	511	
Filter Changed Sample Status   Sample Status   Short Changed   NotChanged   NotCh			hrs	Client Info		1020	0	
Filter Changed Sample Status   Sample Status   Sample Status   NORMAL   N		Oil Changed		Client Info		Not Changd	Not Changd	
PQ		Filter Changed		Client Info		Not Changd	Not Changd	
All component wear rates are normal.   Incomponent wear rates are normal.   Chromium   Dym   ASTM D5185m   9		Sample Status				NORMAL	NORMAL	
All component wear rates are normal.   Chromium   Chromium   Popu   ASTM D5185m   9   4   0   0   0   0   0   0   0   0   0	WEAR	PQ		ASTM D8184	>50	14	12	
All component wear rates are normal.    Chromium   ppm   ASTM D5156m   55   <1   0			ppm	ASTM D5185m	>23	0		
Nickel   ppm   ASTM D5185m   0   0								
Titanium   ppm   ASTM 05185m   0   0   0								
Silver   ppm   ASTM D5185m   0   0   0								
Aluminum   ppm   ASTM D5185m   >9   0   0   0								
Lead		Aluminum			>9		0	
Copper						0	0	
Tin		Copper		ASTM D5185m	>51	1	<1	
Vanadium				ASTM D5185m	>5	0	0	
Vallow Metal   Scalar   Visual   NONE   NO		Vanadium	ppm	ASTM D5185m		0	<1	
CONTAMINATION		White Metal	scalar	*Visual	NONE	NONE	NONE	
Potassium   ppm   ASTM D5185m   >20   4   2		Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Potassium   ppm   ASTM D5185m   >20   4   2	CONTAMINATION	Silicon	mqq	ASTM D5185m	>31	1	<1	
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.		Potassium		ASTM D5185m	>20	4		
Particles > 9µm   ASTM D7647   > 20000   140   233       Particles > 14µm   ASTM D7647   > 20000   140   233       Particles > 14µm   ASTM D7647   > 640   11   18       Particles > 21µm   ASTM D7647   > 160   3   4       Particles > 71µm   ASTM D7647   > 10   0   0   0       Particles > 71µm   ASTM D7647   > 10   0   0   0       Particles > 71µm   ASTM D7647   > 10   0   0   0       Particles > 71µm   ASTM D7647   > 10   0   0   0       Particles > 71µm   ASTM D7647   > 10   0   0   0       Particles > 71µm   ASTM D7647   > 10   0   0   0       Particles > 71µm   ASTM D7647   > 10   0   0   0       Particles > 71µm   ASTM D7647   > 10   0   0   0       Particles > 71µm   ASTM D7647   > 10   0   0   0       Particles > 71µm   ASTM D7647   > 10   0   0   0       Particles > 71µm   ASTM D7647   > 10   0   0   0       Particles > 71µm   ASTM D7647   > 10   0   0   0       Particles > 71µm   ASTM D7647   > 10   0   0   0       Particles > 71µm   ASTM D7647   > 10   0   0       Particles > 71µm   ASTM D7647   > 10   0   0       Particles > 71µm   ASTM D7647   > 10   0   0       Particles > 71µm   ASTM D7647   > 10   0   0       Particles > 71µm   ASTM D7647   > 10   0   0       Particles > 71µm   ASTM D7647   > 10   0   0       Particles > 71µm   ASTM D7647   > 10   0   0       Particles > 71µm   ASTM D7647   > 10   0   0       Particles > 71µm   ASTM D7647   > 10		Water		WC Method	>0.075	NEG	NEG	
Particles >14 \( \mu \)   Particles >21 \( \mu \)   ASTM D7647 >160   3	cleanliness code. The system and fluid cleanliness is acceptable.	Particles >4µm		ASTM D7647	>80000	612	2023	
Particles > 21 µm		Particles >6µm		ASTM D7647	>20000	140	233	
Particles >38µm   ASTM D7647   >40   0   0   0   0   0   0   0   0   0		Particles >14μm		ASTM D7647	>640	11	18	
Particles > 71 \( \mu\)		Particles >21µm		ASTM D7647	>160	3	4	
Oil Cleanliness   SO 4406 (c)   \$2321/16   16/14/11   18/15/11		Particles >38µm		ASTM D7647	>40	0	0	
Silt   Scalar   *Visual   NONE   NORML   NORM		Particles >71μm		ASTM D7647	>10	0	0	
Debris   Scalar   *Visual   NONE   NORML		Oil Cleanliness		ISO 4406 (c)	>23/21/16	16/14/11	18/15/11	
Sand/Dirt   scalar   *Visual   NONE   NONE   Appearance   scalar   *Visual   NORML		Silt	scalar	*Visual	NONE	NONE		
Appearance   Scalar   *Visual   NORML   NORM		Debris	scalar	*Visual	NONE	NONE	NONE	
Odor   Scalar *Visual   NORML   NORML   NORML   NEG   NEG		Sand/Dirt	scalar	*Visual		NONE		
Emulsified Water   scalar   *Visual   >0.075   NEG   NEG			scalar			NORML	NORML	
Sodium   ppm   ASTM D5185m   >21   3   1								
Boron   ppm   ASTM D5185m   0   0		Emulsified Water	scalar	*Visual	>0.075	NEG	NEG	
Boron   ppm   ASTM D5185m   0   0	FLUID CONDITION	Sodium	ppm	ASTM D5185m	>21	3	1	
Barium   ppm   ASTM D5185m   0   0   0		Boron	ppm	ASTM D5185m		0	0	
Molyboenum         ppm         ASTM D5185m         C         0         0            Manganese         ppm         ASTM D5185m         <1         0            Magnesium         ppm         ASTM D5185m         1         <1            Calcium         ppm         ASTM D5185m         87         117         92            Phosphorus         ppm         ASTM D5185m         727         617         635            Zinc         ppm         ASTM D5185m         900         811         843            Sulfur         ppm         ASTM D5185m         1500         1765         1914            Acid Number (AN)         mg KOH/g         ASTM D8045         1.0         0.57         0.80	·	Barium	ppm			0	0	
Magnesium         ppm         ASTM D5185m         1         <1		Molybdenum	ppm	ASTM D5185m		0	0	
Calcium         ppm         ASTM D5185m         87         117         92            Phosphorus         ppm         ASTM D5185m         727         617         635            Zinc         ppm         ASTM D5185m         900         811         843            Sulfur         ppm         ASTM D5185m         1500         1765         1914            Acid Number (AN)         mg KOH/g         ASTM D8045         1.0         0.57         0.80		Manganese	ppm	ASTM D5185m		<1	0	
Phosphorus         ppm         ASTM D5185m         72.7         617         635            Zinc         ppm         ASTM D5185m         900         811         843            Sulfur         ppm         ASTM D5185m         1500         1765         1914            Acid Number (AN)         mg KOH/g         ASTM D8045         1.0         0.57         0.80		Magnesium	ppm	ASTM D5185m		1	<1	
Zinc         ppm         ASTM D5185m         900         811         843            Sulfur         ppm         ASTM D5185m         1500         1765         1914            Acid Number (AN)         mg KOH/g         ASTM D8045         1.0         0.57         0.80		Calcium	ppm	ASTM D5185m	87	117	92	
Sulfur         ppm         ASTM D5185m         1500         1765         1914            Acid Number (AN)         mg KOH/g         ASTM D8045         1.0         0.57         0.80		Phosphorus	ppm	ASTM D5185m	727	617	635	
Acid Number (AN) mg KOH/g ASTM D8045 1.0 0.57 0.80		Zinc	ppm	ASTM D5185m	900	811	843	
		Sulfur		ASTM D5185m	1500	1765	1914	
Visc @ 40°C   cSt   ASTM D445   65   59.2   60.5		. ,						
		Visc @ 40°C	cSt	ASTM D445	65	59.2	60.5	





Certificate L2367

Laboratory Sample No. Lab Number

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Unique Number : 11082849

: LEC0048363 : 06209985

Received **Tested** Diagnosed

: 14 Jun 2024 : 17 Jun 2024

: 17 Jun 2024 - Wes Davis

US 45750-9765 Contact: LEANNE KENDALL

KendalLeanne@lec1.com

105 TENNIS CENTER DR.

MARIETTA, OH

F: (740)373-5570

Test Package : CONST ( Additional Tests: PQ ) To discuss this sample report, contact Customer Service at 1-800-237-1369. \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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