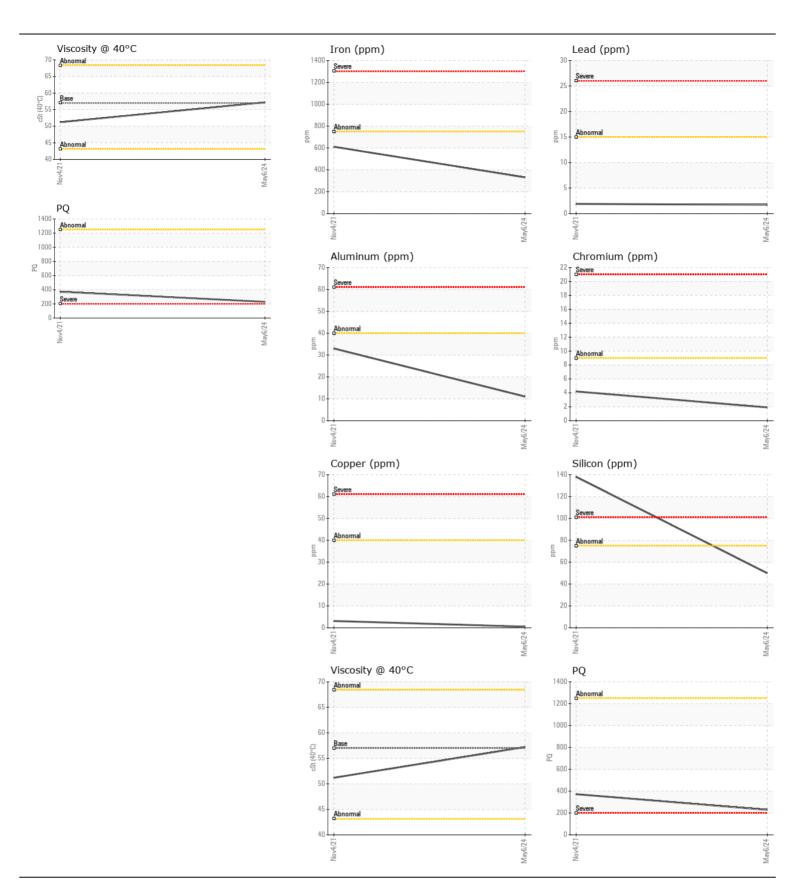
WEAR CONTAMINATION FLUID CONDITION **NORMAL NORMAL NORMAL**

[W8862]

JOHN DEERE 850K 1T0850KXJHF318966

Left Outer Final Drive

Sample Number Cilent Info Sample Number Cilent Info Comment: W8862 Cilent Info Cilent Info C	JOHN DEERE HY-GARD HYD/	TRANS (4 G	4L)					
Sample Date Client Info 6 kily 2024 04 kov 2021	RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Date Client Info Machine Age hrs Client Info Machine Age Mrs Client Info Mrs	Resample at the next service interval to monitor. (Customer Sample Comment: W8862)	Sample Number		Client Info		JR0196875	JR0108262	
Col Age hrs Client Info Changed Not Changed Client Info Changed Not Changed Client Info N/A NORMAL ABNORMAL		Sample Date		Client Info		06 May 2024	04 Nov 2021	
Filter Age		Machine Age	hrs	Client Info		4412	2405	
March Changed Client Info NA Nat Changd Nat		Oil Age	hrs	Client Info		4412	0	
Filter Changed Sample Status		Filter Age	hrs	Client Info		0	0	
MORMAL ABNORMAL		Oil Changed		Client Info		Changed	Not Changd	
PQ		Filter Changed		Client Info		N/A	Not Changd	
Iron		Sample Status				NORMAL	ABNORMAL	
Chromium ppm ASTM D5185m >9 2 4 Nickel ppm ASTM D5185m >9 2 4 Nickel ppm ASTM D5185m >10 4 5 Silver ppm ASTM D5185m >10 0 4 Aluminum ppm ASTM D5185m >0 4 Aluminum ppm ASTM D5185m >0 4 Aluminum ppm ASTM D5185m >40 11 0 33 Lead ppm ASTM D5185m >40 11 0 33 Copper ppm ASTM D5185m >40 11 0 33 Copper ppm ASTM D5185m >40 1 3 Tin ppm ASTM D5185m >40 1 3 Vanadium ppm ASTM D5185m >10 0 0 Vanadium ppm ASTM D5185m >10 0 0 Vanadium ppm ASTM D5185m >50 0 0 Vanadium ppm ASTM D5185m >50 0 0 Vanadium ppm ASTM D5185m >50 0 0 Value Visual NONE NONE NONE NONE NONE Value Visual NONE NONE NONE NONE NONE NONE Silt scalar Visual NONE	WEAR	PQ		ASTM D8184	>1250	229	372	
Chromium ppm ASTM D6188m p3 2 4 Nickel ppm ASTM D6188m p3 0 4 5 Titanium ppm ASTM D6188m pm ASTM D6188m o d d Silver ppm ASTM D6188m o d d Aluminum ppm ASTM D6188m >10 d d Aluminum ppm ASTM D6188m >10 d d Copper ppm ASTM D6188m >10 d d Copper ppm ASTM D6188m >10 d d Tin ppm ASTM D6188m >10 0 d d Tin ppm ASTM D6188m >10 0 0 d Vanadium ppm ASTM D6188m >10 0 0 d Vanadium ppm ASTM D6188m >10 0 d Valore Wolfeld Scalar Visual NONE N	All component wear rates are normal	Iron	ppm	ASTM D5185m	>750	331	611	
Nickel ppm ASTM D5185m -1 4	All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>9	2	4	
Silver ppm ASTM D5185m		Nickel		ASTM D5185m	>10	4	5	
Aluminum ppm ASTM D5185m >40 11 0 33		Titanium	ppm	ASTM D5185m		<1	3	
Lead		Silver	ppm	ASTM D5185m		0	4	
Copper		Aluminum	ppm	ASTM D5185m	>40	11	33	
Tin		Lead	ppm	ASTM D5185m	>15	2	2	
Vanadium ppm ASTM D5185m 0 <1 White Metal scalar *Visual NONE NONE NONE NONE NONE NONE Yellow Metal scalar *Visual NONE N		Copper	ppm	ASTM D5185m	>40	<1	3	
White Metal Scalar *Visual NONE N		Tin	ppm	ASTM D5185m	>10	0	0	
Yellow Metal scalar *Visual NONE NO		Vanadium	ppm	ASTM D5185m		0	<1	
Silicon ppm ASTM D5185m >75 50 138		White Metal	scalar	*Visual	NONE	NONE	LIGHT	
Potassium ppm ASTM D5185m >20 3 18		Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Potassium ppm ASTM D5185m >20 3 18	CONTAMINATION	Silicon	ppm	ASTM D5185m	>75	50	<u> </u>	
Water WC Method >0.075 NEG NEG	There is no indication of any contamination in the oil.	Potassium		ASTM D5185m	>20	3	18	
Debris Scalar *Visual NONE NONE NONE NONE Sand/Dirt Scalar *Visual NONE NORML NORM		Water		WC Method	>0.075	NEG	NEG	
Sand/Dirt scalar *Visual NONE NONE		Silt	scalar	*Visual	NONE	NONE	NONE	
Appearance Scalar *Visual NORML NORML		Debris	scalar	*Visual	NONE	NONE	NONE	
Odor Scalar *Visual NORML NO		Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Emulsified Water scalar *Visual >0.075 NEG NEG		Appearance	scalar	*Visual	NORML	NORML	NORML	
Sodium ppm ASTM D5185m >51 <1 6		Odor	scalar	*Visual	NORML	NORML	NORML	
Boron ppm ASTM D5185m 6 1 0		Emulsified Water	scalar	*Visual	>0.075	NEG	NEG	
Barium ppm ASTM D5185m 0 0 0 0 0 0 0 0 0	FLUID CONDITION	Sodium	ppm	ASTM D5185m	>51	<1	6	
Barium ppm ASTM D5185m 0 0 0 Molybdenum ppm ASTM D5185m 0 3 1 Manganese ppm ASTM D5185m 2 6 Magnesium ppm ASTM D5185m 145 114 119 Calcium ppm ASTM D5185m 3570 3614 4239 Phosphorus ppm ASTM D5185m 1290 1151 1178 Zinc ppm ASTM D5185m 1640 1467 1368 Sulfur ppm ASTM D5185m 5206 3699	The condition of the oil is acceptable for the time in service.	Boron	ppm	ASTM D5185m	6	1	0	
Manganese ppm ASTM D5185m 2 6 Magnesium ppm ASTM D5185m 145 114 119 Calcium ppm ASTM D5185m 3570 3614 4239 Phosphorus ppm ASTM D5185m 1290 1151 1178 Zinc ppm ASTM D5185m 1640 1467 1368 Sulfur ppm ASTM D5185m 5206 3699		Barium	ppm	ASTM D5185m	0	0	0	
Manganese ppm ASTM D5185m 2 6 Magnesium ppm ASTM D5185m 145 114 119 Calcium ppm ASTM D5185m 3570 3614 4239 Phosphorus ppm ASTM D5185m 1290 1151 1178 Zinc ppm ASTM D5185m 1640 1467 1368 Sulfur ppm ASTM D5185m 5206 3699		Molybdenum		ASTM D5185m	0	3	1	
Calcium ppm ASTM D5185m 3570 3614 4239 Phosphorus ppm ASTM D5185m 1290 1151 1178 Zinc ppm ASTM D5185m 1640 1467 1368 Sulfur ppm ASTM D5185m 5206 3699			ppm	ASTM D5185m		2	6	
Phosphorus ppm ASTM D5185m 1290 1151 1178 Zinc ppm ASTM D5185m 1640 1467 1368 Sulfur ppm ASTM D5185m 5206 3699		Magnesium	ppm	ASTM D5185m	145	114	119	
Zinc ppm ASTM D5185m 1640 1467 1368 Sulfur ppm ASTM D5185m 5206 3699		Calcium	ppm	ASTM D5185m	3570	3614	4239	
Sulfur ppm ASTM D5185m 5206 3699		Phosphorus	ppm	ASTM D5185m	1290	1151	1178	
		Zinc	ppm	ASTM D5185m	1640	1467	1368	
Visc @ 40°C cSt ASTM D445 57.0 51.2		Sulfur	ppm	ASTM D5185m		5206	3699	
		Visc @ 40°C	cSt	ASTM D445	57.0	57.2	51.2	







Certificate L2367

Report Id: RWMFAY [WUSCAR] 06174205 (Generated: 05/12/2024 11:45:39) Rev: 1

Laboratory Sample No.

Lab Number : 06174205 Unique Number : 11020258

: JR0196875

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

Received **Tested** Diagnosed Test Package : MOBCE (Additional Tests: PQ)

: 09 May 2024 : 10 May 2024 : 12 May 2024 - Don Baldridge

JRE - HOPE MILLS/FAYETTEVILLE 5039 HWY 301 SOUTH

HOPE MILLS, NC US 28348

Contact: FAYETTEVILLE SHOP stephen.mullis@jamesriverequipment.com;canastasio@wearcheck.com T:

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)

F: