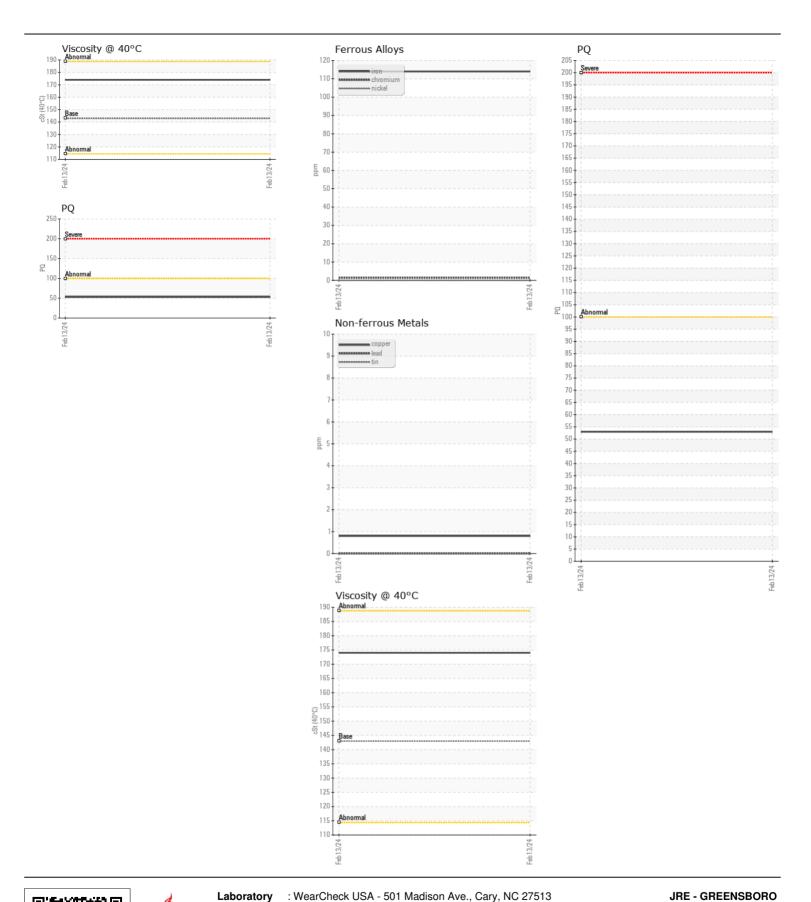
**WEAR** CONTAMINATION **FLUID CONDITION** 

**NORMAL NORMAL NORMAL** 

## **JOHN DEERE 245G 1FF245GXCNF802665**

1 Swing Drive

All component wear rates are normal.    Iron	GEAR OIL SAE 80W90 ( GAL)							
Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) (GEAR OIL SAE 80W90. Please confirm.    GEAR OIL SAE 80W90. Please confirm.	RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Semant   Name   Name	Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC)	Sample Number		Client Info		JR0203580		
Dil Age   hrs   Cilent Info   Dil Age   hrs   Cilent Info   Dil Changed   Cilent Inf		Sample Date		Client Info		13 Feb 2024		
Filter Age		Machine Age	hrs	Client Info		641		
No   Changed   Cilent Info   No   No   Changed   Cilent Info   Cilen		Oil Age	hrs	Client Info		641		
Filter Changed		Filter Age	hrs	Client Info		0		
NORMAL   PQ		Oil Changed		Client Info		Not Changd		
PQ		Filter Changed		Client Info		N/A		
Iron   ppm   ASTM D5185m   11   1   1		Sample Status				NORMAL		
Chromium   ppm   ASTM DS185m   511   1         Nickel   ppm   ASTM DS185m   510   0         Sliver   ppm   ASTM DS185m   0   0         Sliver   ppm   ASTM DS185m   0         Aluminum   ppm   ASTM DS185m   551   0   0         Aluminum   ppm   ASTM DS185m   551   0   0         Copper   ppm   ASTM DS185m   551   0   0         Tin   ppm   ASTM DS185m   551   0   0         Vanadium   ppm   ASTM DS185m   551   0   0         Vanadium   ppm   ASTM DS185m   50   0         Valued   scalar   "Visual   NONE   NONE   NONE       Valued   NONE   NONE         Valued   NONE   NONE         Valued   NONE   NONE         Visual   NONE   NONE         Debris   scalar   "Visual   NONE   NONE           Debris   scalar   "Visual   NONE   NONE           Debris   scalar   "Visual   NONE   NONE             Debris   scalar   "Visual   NONE   NONE                   Debris   scalar   "Visual   NONE   NONE	WEAR	PQ		ASTM D8184		53		
Chromium   ppm   ASTM 05185m   >1	All component wear rates are normal.	Iron	ppm	ASTM D5185m	>151	114		
Titanium		Chromium	ppm	ASTM D5185m	>11	1		
Silver		Nickel	ppm	ASTM D5185m	>10	0		
Aluminum   ppm   ASTM D5185m   >21   2		Titanium	ppm	ASTM D5185m		<1		
Lead   ppm   ASTM O5185m   >51   0         Copper   ppm   ASTM 05185m   >51   <1         Tin   ppm   ASTM 05185m   >10   0         Vandium   ppm   ASTM 05185m   >10   0         White Metal   scalar   "Visual   NONE   NONE         Yellow Metal   scalar   "Visual   NONE   NONE         Yellow Metal   scalar   "Visual   NONE   NONE         Yellow Metal   scalar   "Visual   NONE   NONE         Water   WC Method   >0.1   NEG         Silt   scalar   "Visual   NONE   NONE         Silt   scalar   "Visual   NONE   NONE         Sand/Dirt   scalar   "Visual   NONE   NONE         Appearance   scalar   "Visual   NONE   NONE         Appearance   scalar   "Visual   NORML   NORML   NORML         Appearance   scalar   "Visual   NORML   NORML   NORML         Emulsified Water   scalar   "Visual   NORML   NORML         Boron   ppm   ASTM 05185m   200   18         Barium   ppm   ASTM 05185m   12   2         Manganese   ppm   ASTM 05185m   12   1         Calcium   ppm   ASTM 05185m   150   668		Silver	ppm	ASTM D5185m		0		
Copper		Aluminum	ppm	ASTM D5185m	>21	2		
Tin		Lead	ppm	ASTM D5185m	>51	0		
Vanadium   ppm   ASTM D5185m   0         White Metal   scalar   *Visual   NONE   NONE         Yellow Metal   scalar   *Visual   NONE   NONE         Yellow Metal   scalar   *Visual   NONE   NONE         Yellow Metal   scalar   *Visual   NONE   NONE         Potassium   ppm   ASTM D5185m   >20   2         Water   WC Method   >0.1   NEG         Silt   scalar   *Visual   NONE   NONE         Sand/Dirt   scalar   *Visual   NONE   NONE         Sand/Dirt   scalar   *Visual   NONE   NONE         Appearance   scalar   *Visual   NORML   NORML   NORML         Appearance   scalar   *Visual   NORML   NORML   NORML         Emulsified Water   scalar   *Visual   NORML   NORML   NORML         Emulsified Water   scalar   *Visu			ppm			<1		
White Metal Yellow Metal   Scalar   *Visual NONE   NONE NONE             Yellow Metal   Scalar   *Visual NONE   NONE   NONE           Yellow Metal   Scalar   *Visual NONE   NONE           Yellow Metal   Yellow Metal   Yellow Metal NONE           Yellow Metal   Yellow Metal   Yellow Metal NONE           Yellow Metal   Yellow Metal   Yellow Metal NONE           Yellow Metal   Yellow Metal NONE   Yellow Metal NONE           Yellow Metal   Yellow Metal NONE   Yellow Metal NONE             Yellow Metal   Yellow Metal NONE   Yellow Metal NONE             Yellow Metal   Yellow Metal   Yellow Metal NONE             Yellow Metal   Yellow Metal NONE   Yellow Metal NONE               Yellow Metal Yellow Metal NONE   Yellow Metal None                 Yellow Metal Yellow Metal None   Yellow Metal None                     Yellow Metal Yellow Metal None   Yellow Metal None			ppm		>10			
Yellow Metal   scalar *Visual   NONE   NONE			ppm					
Silicon   ppm   ASTM D5185m   >31   19			scalar					
Potassium   Pom   ASTM D5185m   >20   2		Yellow Metal	scalar	*Visual	NONE	NONE		
Water   WC Method   > 0.1   NEG         Silt   scalar   *Visual   NONE   NONE         Debris   scalar   *Visual   NONE   NONE         Debris   scalar   *Visual   NONE   NONE         Sand/Dirt   scalar   *Visual   NORM	CONTAMINATION	Silicon	ppm	ASTM D5185m	>31	19		
Water	There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	2		
Debris   Scalar   *Visual   NONE   NONE		Water		WC Method	>0.1	NEG		
Sand/Dirt   scalar *Visual   NONE   NONE   NONE   Appearance   scalar *Visual   NORML   NORM		Silt	scalar		NONE	NONE		
Appearance   Scalar   *Visual   NORML   NORML           Odor   Scalar   *Visual   NORML   NORML   NORML           Emulsified Water   Scalar   *Visual   NORML		Debris	scalar	*Visual				
Odor   scalar   *Visual   NORML   NO		Sand/Dirt	scalar	*Visual	NONE			
Emulsified Water   scalar   *Visual   >0.1   NEG			scalar					
Sodium   ppm   ASTM D5185m   >170   0		Odor	scalar					
Boron   ppm   ASTM D5185m   400   72           Barium   ppm   ASTM D5185m   200   18           Molybdenum   ppm   ASTM D5185m   12   2           Manganese   ppm   ASTM D5185m   12   1           Magnesium   ppm   ASTM D5185m   150   68           Phosphorus   ppm   ASTM D5185m   1650   612           Zinc   ppm   ASTM D5185m   125   16		Emulsified Water	scalar	*Visual	>0.1	NEG		
Barium   ppm   ASTM D5185m   200   18         Molybdenum   ppm   ASTM D5185m   12   2         Manganese   ppm   ASTM D5185m   12   1         Magnesium   ppm   ASTM D5185m   150   68         Phosphorus   ppm   ASTM D5185m   1650   612         Zinc   ppm   ASTM D5185m   125   16	FLUID CONDITION	Sodium	ppm	ASTM D5185m	>170	0		
Barium         ppm         ASTM D5185m         200         18             Molybdenum         ppm         ASTM D5185m         12         2             Manganese         ppm         ASTM D5185m         12         1             Magnesium         ppm         ASTM D5185m         150         68             Calcium         ppm         ASTM D5185m         1650         612             Phosphorus         ppm         ASTM D5185m         125         16             Zinc         ppm         ASTM D5185m         125         16	The condition of the oil is acceptable for the time in service.	Boron	ppm	ASTM D5185m	400	72		
Manganese         ppm         ASTM D5185m         3             Magnesium         ppm         ASTM D5185m         12         1             Calcium         ppm         ASTM D5185m         150         68             Phosphorus         ppm         ASTM D5185m         1650         612             Zinc         ppm         ASTM D5185m         125         16		Barium	ppm	ASTM D5185m	200	18		
Magnesium         ppm         ASTM D5185m         12         1             Calcium         ppm         ASTM D5185m         150         68             Phosphorus         ppm         ASTM D5185m         1650         612             Zinc         ppm         ASTM D5185m         125         16		Molybdenum	ppm		12	2		
Calcium         ppm         ASTM D5185m         150         68             Phosphorus         ppm         ASTM D5185m         1650         612             Zinc         ppm         ASTM D5185m         125         16		_	ppm					
Phosphorus         ppm         ASTM D5185m         1650         612             Zinc         ppm         ASTM D5185m         125         16		_	ppm					
Zinc ppm ASTM D5185m 125 <b>16</b>								
		•	ppm					
Sulfur         ppm         ASTM D5185m         22500         19874								
An - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -								
Visc @ 40°C cSt ASTM D445 143  Report Id: JAMGRE IWUSCARI 06089106 (Generated: 02/22/2024 12:41:10) Rev: 1	Report Id: JAMGRE IWUSCARI 06089106 (Generated: 02/22/2024 12:41:10) Rev: 1	Visc @ 40°C	cSt	ASTM D445	143			





Certificate L2367

Laboratory Sample No.

: JR0203580 Lab Number : 06089106

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

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Received **Tested** Unique Number : 10876551 Diagnosed Test Package : CONST ( Additional Tests: PQ )

: 15 Feb 2024

: 14 Feb 2024

: 15 Feb 2024 - Wes Davis

US 27409 Contact: NICK GALLAHER NGALLAHER@JRENET.COM T: (336)668-2762

411 SOUTH REGIONAL ROAD

\* - 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: (336)665-9556

GREENSBORO, NC