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

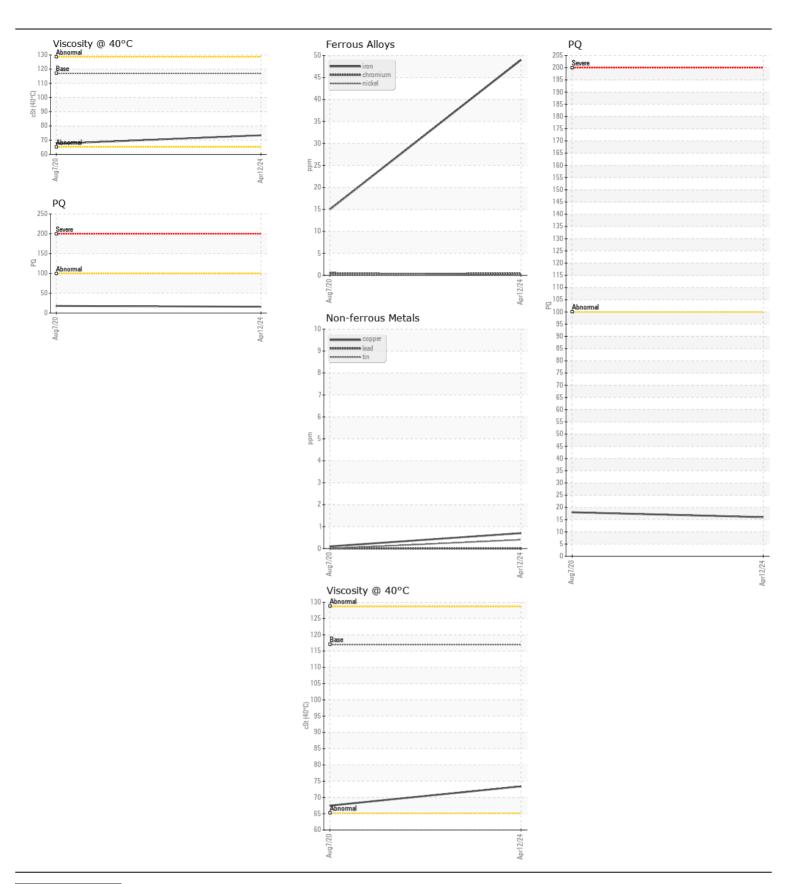
Machine Id

## JOHN DEERE 2156G 1FF2156GJJF216063

Rear Right Gearbox

JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (--- GAL)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0209235	JR0059300	
Sample Date		Client Info		12 Apr 2024	07 Aug 2020	
Machine Age	hrs	Client Info		5430	2431	
Oil Age	hrs	Client Info		5430	0	
Filter Age	hrs	Client Info		0	0	
Oil Changed		Client Info		Not Changd	Not Changd	
Filter Changed		Client Info		None	Not Changd	
Sample Status				NORMAL	NORMAL	
PQ		ASTM D8184		16	18	
	ppm	ASTM D5185m	>200			
				0		
Titanium		ASTM D5185m		0	<1	
Silver		ASTM D5185m		0	0	
Aluminum			>25	6	4	
Lead	ppm	ASTM D5185m	>50	0	0	
Copper				<1	<1	
Tin	ppm	ASTM D5185m	>10	<1	0	
Vanadium	ppm	ASTM D5185m		<1	0	
White Metal	scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Silicon	nnm	ASTM D5185m	>50	10	9	
	ррпп					
	scalar					
				_		
Emulsified Water		*Visual	>0.2	NEG	NEG	
0 "		40TM DE405				
-						
_						
_						
Zinc	ppm	ASTM D5185m		1089	1001	
Sulfur	ppm	ASTM D5185m		4280	2854	
	Sample Number Sample Date Machine Age Oil Age Filter Age Oil Changed Filter Changed Sample Status PQ Iron Chromium Nickel Titanium Silver Aluminum Lead Copper Tin Vanadium White Metal Yellow Metal Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	Sample Number Sample Date Machine Age hrs Oil Age hrs Filter Age hrs Oil Changed Filter Changed Sample Status  PQ Iron ppm Chromium ppm Nickel ppm Titanium ppm Silver ppm Aluminum ppm Lead ppm Copper ppm Tin ppm Vanadium ppm White Metal scalar Yellow Metal scalar Yellow Metal scalar Silt scalar Debris scalar Sand/Dirt scalar Appearance scalar Codor scalar Emulsified Water scalar Sodium ppm Boron ppm Barium ppm Manganese ppm Magnesium ppm Calcium ppm Coil Age Nrs	Sample Number Sample Date Client Info Machine Age Nrs Client Info Oil Age Nrs Client Info Client Info Oil Age Nrs Client Info Client Info Oil Changed Client Info Filter Changed Sample Status  PQ ASTM D8184 Iron Ppm ASTM D5185m Chromium Ppm ASTM D5185m Nickel Ppm ASTM D5185m Aluminum Ppm ASTM D5185m Aluminum Ppm ASTM D5185m Copper Ppm ASTM D5185m Copper Ppm ASTM D5185m Vanadium Ppm ASTM D5185m Visual Silicon Ppm ASTM D5185m Vacalar Visual Silicon Ppm ASTM D5185m Vacalar Visual Silit Scalar Visual Appearance Scalar Scalar Visual Appearance Scalar Scalar Visual Appearance Scalar Scalar Visual Appearance Scalar Scalar Avisual Appearance Scalar Scalar Visual Appearance Scalar Avisual Appearance Scalar Scalar Avisual Appearance ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	Sample Number Sample Date Client Info Sample Date Client Info Machine Age hrs Client Info Oil Age hrs Client Info Filter Age hrs Client Info Oil Changed Client Info Sample Status  PQ ASTM D8184 Iron ppm ASTM D5185m >200 Chromium ppm ASTM D5185m >10 Nickel ppm ASTM D5185m >20 Chromium ppm ASTM D5185m >10 Nickel ppm ASTM D5185m >25 Lead ppm ASTM D5185m >20 Copper ppm ASTM D5185m >20 Copper ppm ASTM D5185m >20 Tin ppm ASTM D5185m >20 Tin ppm ASTM D5185m >10 Vanadium ppm ASTM D5185m >10 Vanadium ppm ASTM D5185m >20 Tin ppm ASTM D5185m >10 Vanadium ppm ASTM D5185m >20 Tin ppm ASTM D5185m >10 Vanadium ppm ASTM D5185m >20 Tin ppm ASTM D5185m Ppm ASTM D5	Sample Number         Client Info         JR0209235           Sample Date         Client Info         12 Apr 2024           Machine Age         hrs         Client Info         5430           Oil Age         hrs         Client Info         5430           Filter Age         hrs         Client Info         Not Changd           Gil Changed         Client Info         Not Changd           Filter Changed         Client Info         None           Sample Status         NORMAL           PQ         ASTM D8184         16           Iron         ppm         ASTM D8185m         >200         49           Chromium         ppm         ASTM D8185m         >10         <1	Sample Number   Client Info   JR0209235   JR0059300





Certificate L2367

Report Id: RWMGAR [WUSCAR] 06152227 (Generated: 04/23/2024 04:18:18) Rev: 1

Laboratory Sample No.

: JR0209235 Lab Number : 06152227 Unique Number : 10982305

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

Diagnosed Test Package : CONST ( Additional Tests: PQ )

: 18 Apr 2024 : 22 Apr 2024 - Don Baldridge

: 17 Apr 2024

JRE - GARNER 4161 AUBURN CHURCH RD GARNER, NC US 27529

Contact: RALEIGH SHOP

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. sean.betts@jamesriverequipment.com;catherine.anastasio@wearcheck.com T: (919)614-2260

F: (919)779-5432