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

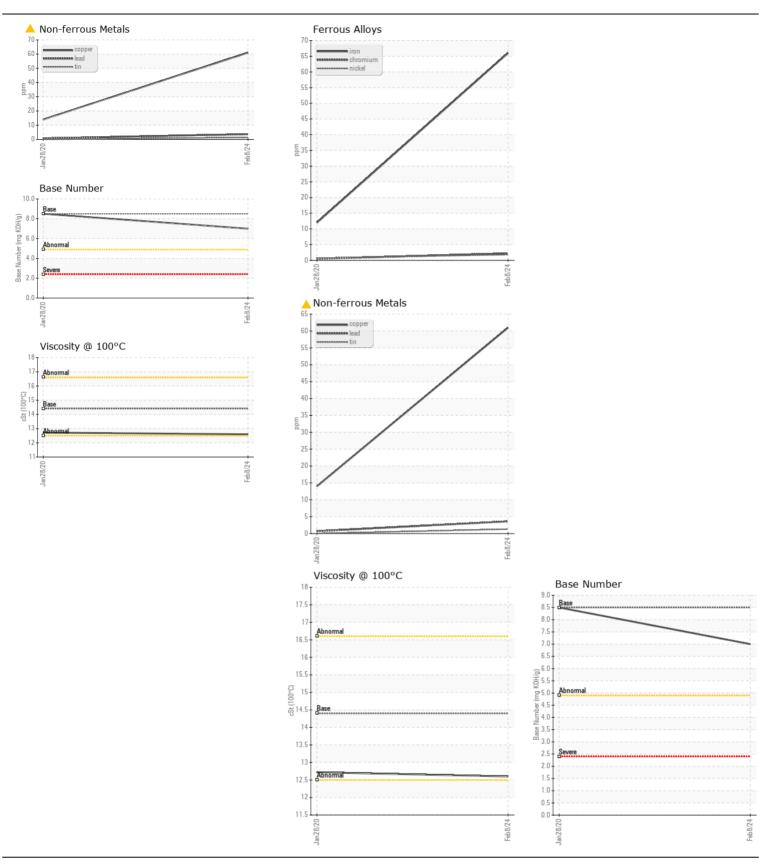
## [QUAD CONTRACTING]

## JOHN DEERE 317G 1T0317GJCKJ357873

Component Diesel Engine

DIESEL ENGINE OIL SAE 40 (--- GAL)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0195542	JR0030306	
Sample Date		Client Info		08 Feb 2024	28 Jan 2020	
Machine Age	hrs	Client Info		713	72	
Oil Age	hrs	Client Info		0	72	
Filter Age	hrs	Client Info		0	0	
Oil Changed		Client Info		Changed	N/A	
Filter Changed		Client Info		Changed	Not Changd	
Sample Status				ABNORMAL	NORMAL	
Iron	nnm	ΔSTM D5185m	<u></u>	66	12	
	• • • • • • • • • • • • • • • • • • • •		>0			
			. 2			
	• • • • • • • • • • • • • • • • • • • •					
			>4			
			NONE			
Yellow Metal	scalar	^Visual	NONE	NONE	NONE	
Silicon	ppm	ASTM D5185m	>22	40	39	
Potassium	ppm	ASTM D5185m	>20	3	4	
Fuel		WC Method	>2.1	<1.0	1.0	
Water		WC Method	>0.21	NEG	NEG	
Glycol		WC Method		NEG	NEG	
Soot %	%	*ASTM D7844	>3	0.8	0.1	
Nitration	Abs/cm	*ASTM D7624	>20	10.0	6.4	
Sulfation	Abs/.1mm	*ASTM D7415	>30	27.3	22.5	
Silt	scalar	*Visual	NONE	NONE	NONE	
Debris	scalar	*Visual	NONE	NONE	NONE	
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Appearance	scalar	*Visual		NORML	NORML	
Odor	scalar	*Visual	NORML	NORML	NORML	
<b>Emulsified Water</b>	scalar	*Visual	>0.21	NEG	NEG	
Sodium	nnm	ASTM D5185m	<b>&gt;216</b>	5	Ω	
•			100			
			450			
·						
Sulfur						
OUIIIII	ppm	ASTM D5185m	4230	3495	2783	
	Abo/ 1mm	*ACTM D7444	- OF	22.0	100	
Oxidation Base Number (BN)	Abs/.1mm	*ASTM D7414 ASTM D2896		22.9 7.0	19.9 8.50	
	Sample Number Sample Date Machine Age Oil Age Filter Age Oil Changed Filter Changed Sample Status  Iron Chromium Nickel Titanium Silver Aluminum Lead Copper Tin Vanadium White Metal Yellow Metal  Silicon Potassium Fuel Water Glycol Soot % Nitration Sulfation Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	Sample Number Sample Date Machine Age hrs Oil Age hrs Filter Age hrs Oil Changed Filter Changed Sample Status  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 Silicon ppm Fuel Water Glycol Soot % % Nitration Abs/cm Sulfation Abs/.1mm Silt scalar Debris scalar Sand/Dirt scalar Appearance scalar Codor scalar Emulsified Water scalar Sodium ppm Boron ppm Barium ppm Molybdenum ppm Manganese ppm Magnesium calcium ppm Phosphorus ppm Zinc ppm Zinc ppm	Sample Number Sample Date Machine Age Oil Age hrs Client Info Etien Linfo Client Info ASTM D5185m ASTM	Sample Number Sample Date Client Info Machine Age hrs Client Info Oil Age hrs Client Info Filter Age hrs Client Info Oil Changed Client Info Filter Changed Sample Status  Iron Ppm ASTM D5185m Silver Ppm ASTM D5185m Vanadium Ppm ASTM D5185m White Metal Scalar Visual NONE Yellow Metal Scalar Visual NONE Yellow Metal Scalar Visual NONE Silicon Ppm ASTM D5185m VC Method Scat Visual NONE Silicon Ppm ASTM D5185m Silver Potassium Ppm ASTM D5185m Silver Potassium Ppm ASTM D5185m Silver NONE Silver Potassium Ppm ASTM D5185m Scalar Visual NONE Soot % ASTM D5185m VC Method Scot % Visual NONE Sulfation Abs/cm Abs/cm ASTM D7844 ASTM D7844 ASTM D7844 Nitration Abs/cm Abs/cm Visual NONE Sand/Dirt Scalar Visual NONE Sand/Dirt Scalar Visual NONE Sand/Dirt Scalar Visual NONE Sand/Dirt Scalar Visual NONE Appearance Scalar Visual NONE Sand/Dirt Scalar Visual NONE Appearance Scalar Visual NONE Appearance Scalar Visual NONE Sand/Dirt Scalar Visual NONE Appearance Scalar Visu	Sample Number         Client Info         JR0195542           Sample Date         Client Info         08 Feb 2024           Machine Age         hrs         Client Info         713           Oil Age         hrs         Client Info         0           Filter Age         hrs         Client Info         0           Oil Changed         Client Info         Changed           Filter Changed         Client Info         Changed           Sample Status         ASTM D5185m         S1           Iron         ppm         ASTM D5185m         >51         66           Chromium         ppm         ASTM D5185m         >11         2           Nickel         ppm         ASTM D5185m         >5         2         1           Silver         ppm         ASTM D5185m         >3         <1	Sample Number   Client Info   Glent Info   O8 Feb 2024   28 Jan 2020







Laboratory Sample No.

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

Lab Number : 06085703 Unique Number : 10873148

: JR0195542

Received **Tested** Diagnosed

: 12 Feb 2024 : 12 Feb 2024 : 13 Feb 2024 - Jonathan Hester

JRE - STEPHENSON 245 YARDMASTER COURT STEPHENSON, VA US 22656-1761 Contact: PHIL DAUGHERTY

Test Package : CONST (Additional Tests: TBN) To discuss this sample report, contact Customer Service at 1-800-237-1369.

pdaugherty@jamesriverequipment.com T: x:

\* - 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)

Contact/Location: PHIL DAUGHERTY - JAMWIN

F: (540)693-2588