WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL

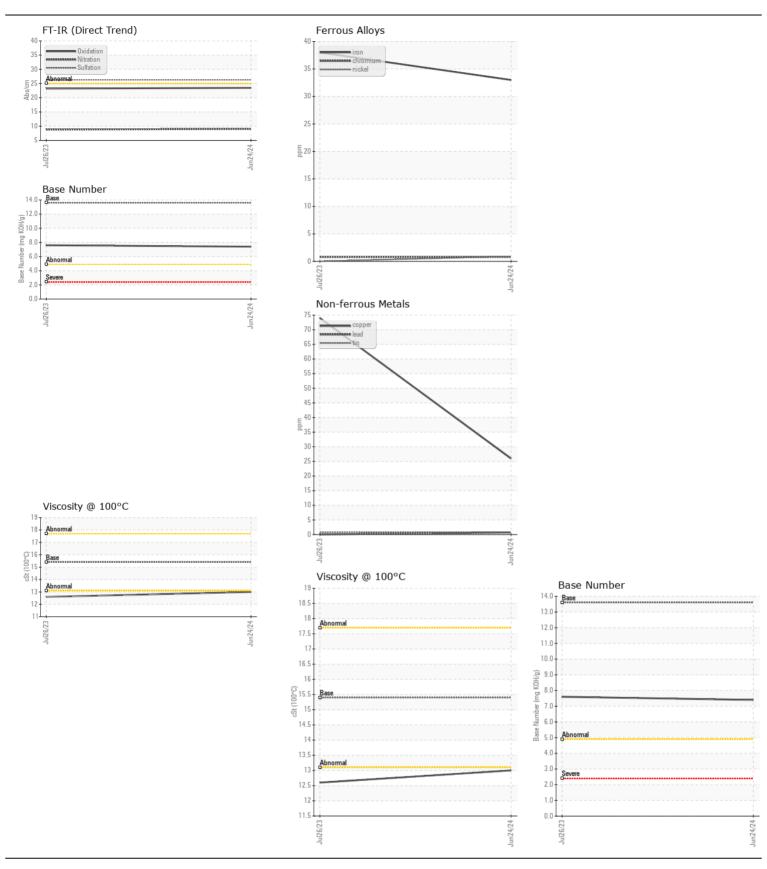
Machine Id

## **JOHN DEERE 1T0325GKLNJ421445**

**Diesel Engine** 

JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (12 GAL)

2 GAL)						
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0225344	JR0181994	
Sample Date		Client Info		24 Jun 2024	26 Jul 2023	
Machine Age	hrs	Client Info		808	491	
Oil Age	hrs	Client Info		400	491	
Filter Age	hrs	Client Info		400	491	
Oil Changed		Client Info		Changed	Changed	
		Client Info		Changed	Changed	
Sample Status				NORMAL	ABNORMAL	
Iron	mag	ASTM D5185m	>51	33	38	
			70			
			~3			
			>4			
			NONE			
Yellow Metal	scalar	"Visuai	NONE	NONE	NONE	
Silicon	ppm			18	<b>4</b> 2	
Potassium	ppm	ASTM D5185m	>20	3	1	
Fuel	%			<1.0	<1.0	
Water			>0.21	NEG	NEG	
Glycol		WC Method		NEG	NEG	
Soot %	%	*ASTM D7844	>3	0.5	0.6	
Nitration	Abs/cm	*ASTM D7624	>20	9.0	8.8	
Sulfation	Abs/.1mm	*ASTM D7415	>30	26.3	26.3	
Silt	scalar	*Visual	NONE	NONE	NONE	
Debris	scalar	*Visual	NONE	NONE	NONE	
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Appearance	scalar	*Visual	NORML	NORML	NORML	
Odor	scalar	*Visual	NORML	NORML	NORML	
<b>Emulsified Water</b>	scalar	*Visual	>0.21	NEG	NEG	
Sodium	ppm	ASTM D5185m	>31	3	13	
-						
Calcium		ASTM D5185m		1401	1843	
JaiciuiII	ppm	ASTM D5185m		770	904	
Phoenhorus		HOTIVI DOTOUIII		110		
Phosphorus		ASTM DE195~		1022	1166	
Zinc	ppm	ASTM D5185m		1038	1166 3774	
Zinc Sulfur	ppm	ASTM D5185m	> 2F	2767	3774	
Zinc	ppm ppm Abs/.1mm	ASTM D5185m *ASTM D7414				
	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 Yellow Metal Silicon Potassium Fuel Water Glycol Soot % Nitration Sulfation Silt Debris Sand/Dirt Appearance Odor Emulsified Water  Sodium Boron Barium Molybdenum Manganese Magnesium	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 Potassium ppm Fuel % Water Glycol Soot % % Nitration Abs/.mm Silt scalar Debris scalar Sand/Dirt scalar Appearance scalar Odor scalar Emulsified Water scalar Sodium ppm Boron ppm Barium ppm Manganese ppm Magnesium ppm	Sample Number Sample Date Machine Age Oil Age hrs Client Info Filter Age Oil Changed Filter Changed Sample Status  Iron Chromium ppm ASTM D5185m Chromium ppm ASTM D5185m Nickel ppm ASTM D5185m Titanium ppm ASTM D5185m Copper ASTM D5185m Copper ppm ASTM D5185m Vanadium ppm ASTM D5185m Fuel % ASTM D5185m Fuel % ASTM D7624 Visual Silt scalar *Visual Pebris scalar *Visual Silt scalar *Visual Silt scalar *Visual Sand/Dirt scalar *Visual *Visual Sand/Dirt scalar *Visual *Visual Sand/Dirt scalar *Visual *Appearance scalar *Visual *Visual *Visual *Visual *Appearance Scalar *Visual *Visual *Appearance Scalar *Visual *ASTM D5185m Boron ppm ASTM D5185m Boron Barium ppm ASTM D5185m Magnesium ppm ASTM D5185m Magnesium ppm ASTM D5185m Magnesium ppm ASTM D5185m Magnesium ppm ASTM D5185m	Sample Number Sample Date Client Info Machine Age hrs Client Info Oil Age hrs Client Info Filter Age Oil Changed Filter Changed Sample Status  Iron Ppm ASTM D5185m Silver Potassium Ppm ASTM D5185m Silver Potassium Ppm ASTM D5185m Silver ASTM D5185m Silver NONE  Silicon Ppm ASTM D5185m Silver ASTM D5185m Silver ASTM D7624 Silver Silver Silver ASTM D7624 Silver	Sample Number         Client Info         JR0225344           Sample Date         Client Info         24 Jun 2024           Machine Age         hrs         Client Info         400           Oil Age         hrs         Client Info         400           Filter Age         hrs         Client Info         Changed           Oil Changed         Client Info         Changed           Filter Changed Sample Status         Client Info         Changed           Iron         ppm         ASTM D5185m         >51         33           Chromium         ppm         ASTM D5185m         >11         <1	Sample Number Sample Date         Client Info         JR0225344 24 Jun 2024         JR0181994 26 Jul 2023           Machine Age         hrs         Client Info         808         491           Oil Age         hrs         Client Info         400         491           Filter Age         hrs         Client Info         400         491           Oil Changed         Client Info         Changed         Changed           Filter Changed         Client Info         Changed         Changed           Sample Status         Client Info         Changed         Changed           Iron         ppm         ASTM D5185m         >51         33         38           Chromium         ppm         ASTM D5185m         >11         <1







Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : JR0225344 Lab Number : 06219545 Unique Number : 11097742

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

Received **Tested** 

Diagnosed Test Package : CONST ( Additional Tests: FuelDilution, TBN )

: 26 Jun 2024

: 25 Jun 2024

: 26 Jun 2024 - Don Baldridge

US 20109 Contact: DAVE PARKER dave.parker@allsiteco.com T: (703)361-2499

**ALLSITE CONTRACTING** 

11128 INDUSTRIAL RD

MANASSAS, VA

\* - 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: (703)361-6169