**WEAR CONTAMINATION FLUID CONDITION** 

**NORMAL NORMAL** NORMAL

## **JOHN DEERE 748L-II 1DW748LBVNF714029**

Component Pump Drive

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number				JR0205157		
		Client Info		27 Feb 2024		
Machine Age	hrs	Client Info		1569		
Oil Age	hrs	Client Info		0		
Filter Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Filter Changed		Client Info		N/A		
Sample Status				NORMAL		
PO		ASTM D8184		9		
	mag		>151			
Nickel				0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>21	<1		
Lead	ppm	ASTM D5185m	>51	<1		
Copper	ppm	ASTM D5185m	>51	0		
Tin	ppm	ASTM D5185m	>4	<1		
Vanadium	ppm	ASTM D5185m		<1		
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Silicon	ppm	ASTM D5185m	>31	5		
Potassium	ppm	ASTM D5185m	>20	0		
Water		WC Method	>0.1	NEG		
Silt	scalar	*Visual	NONE	NONE		
Debris	scalar	*Visual	NONE	NONE		
Sand/Dirt	scalar	*Visual	NONE	NONE		
Appearance	scalar	*Visual	NORML	NORML		
Odor	scalar	*Visual	NORML	NORML		
Emulsified Water	scalar	*Visual	>0.1	NEG		
Sodium	ppm	ASTM D5185m	>51	<1		
Boron	ppm	ASTM D5185m		9		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		7		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		123		
Calcium	ppm	ASTM D5185m		3511		
Phosphorus	ppm	ASTM D5185m		977		
		AOTH DELOE		4000		
Zinc	ppm	ASTM D5185m		1328		
	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	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 Silicon ppm Potassium ppm Water Silt scalar Debris scalar Sand/Dirt scalar Appearance scalar Codor scalar Emulsified Water scalar Sodium ppm Boron ppm Boron ppm Manganese ppm Magnesium ppm Calcium ppm	Sample Number Sample Date  Machine Age Oil Age hrs Client Info Oil Age hrs Client Info Oil Changed Filter Age Oil Changed Filter Changed Sample Status  PQ ASTM D8184 Iron Chromium ppm ASTM D5185m Nickel ppm ASTM D5185m Titanium ppm ASTM D5185m Aluminum ppm ASTM D5185m Copper ppm ASTM D5185m Tin ppm ASTM D5185m Vanadium ppm ASTM D5185m Visual Scalar *Visual Silicon ppm ASTM D5185m Water WC Method Silt scalar *Visual Sand/Dirt Scalar *Visual Appearance Scalar *Visual Sand/Dirt Scalar *Appearance Scalar *Visual Appearance Scalar *Visual Appearance Scalar *Ausual Sand/Dirt Scalar *Ausual Scalar Scalar *Visual Appearance Scalar *Visual Appearance Scalar *Ausual Appearance Appearance Scalar *Ausual Appearance Appearance Scalar *Ausual Appearance Appearance Ausual	Sample Number Sample Date 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  PQ ASTM D8184 Iron ppm ASTM D5185m Silver Aluminum ppm ASTM D5185m Silver ASTM D5185m Vanadium ppm ASTM D5185m Visual NONE Silicon ppm ASTM D5185m Silver WC Method Solit Scalar Visual NONE Silt Scalar Visual NONE Silt Scalar Visual NONE Sand/Dirt Scalar Visual NONE Sand/Dirt Scalar Appearance Scalar Visual NONE Sand/Dirt Scalar Appearance Scalar Avisual NONE Sand/Dirt Appearance Scalar Avisual NONE Sand/Dirt Appearance Scalar Avisual NONE Appearance Appearance Appearance Appearance Appearance Appearance Appearance Appearance Appearance Appeara	Sample Number         Client Info         JR0205157           Sample Date         Client Info         27 Feb 2024           Machine Age         hrs         Client Info         1569           Oil Age         hrs         Client Info         0           Filter Age         hrs         Client Info         N/A           Oil Changed         Client Info         N/A           Filter Changed         Client Info         N/A           Sample Status         NORMAL           PQ         ASTM D8184         9           Iron         ppm         ASTM D8185m         >151         6           Chromium         ppm         ASTM D5185m         >10         0           Nickel         ppm         ASTM D5185m         >10         0           Titanium         ppm         ASTM D5185m         >10         0           Aluminum         ppm         ASTM D5185m         >21         <1	Sample Number         Client Info         JR0205157





Certificate L2367

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

Sample No.

Lab Number : 06102585 Unique Number : 10900815

: JR0205157

Received Tested Test Package : CONST ( Additional Tests: PQ )

Diagnosed

: 29 Feb 2024

: 27 Feb 2024

: 29 Feb 2024 - Don Baldridge

GREENSBORO, NC US 27409 Contact: NICK GALLAHER

NGALLAHER@JRENET.COM T: (336)668-2762

411 SOUTH REGIONAL ROAD

JRE - GREENSBORO

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: (336)665-9556 Contact/Location: NICK GALLAHER - JAMGRE