

JOHN DEERE 624P 1DW624PAAMLZ11005 Component Front Differential Fluid JOHN DEERE HY-GARD HYD/TRANS (--- GAL)

RECOMMENDATION

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

WEAR

Bearing and/or bushing wear is indicated.

CONTAMINATION

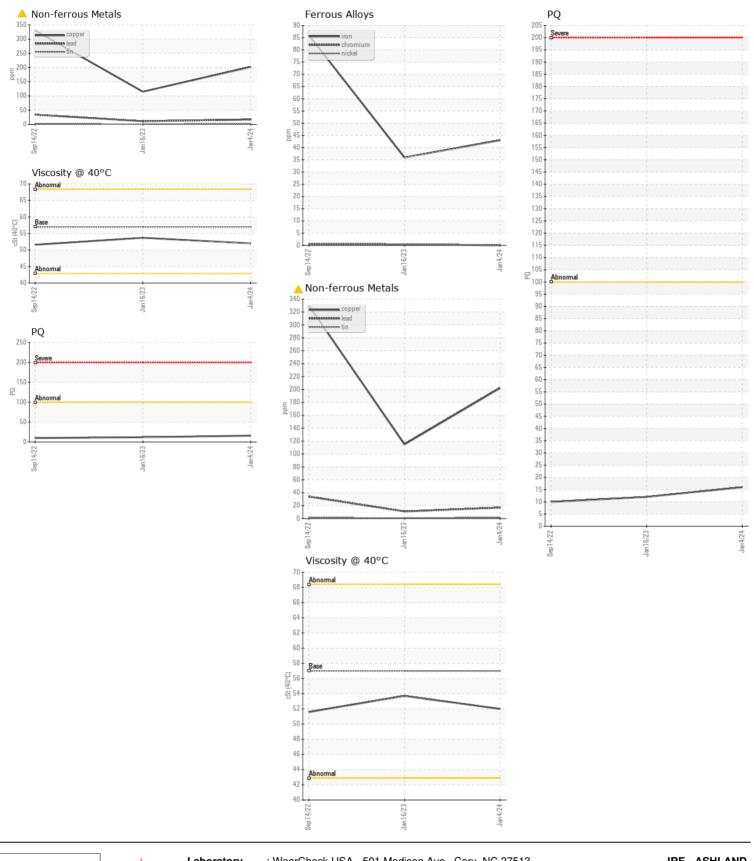
There is no indication of any contamination in the oil.

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0200237	JR0148082	JR0125471
Sample Date		Client Info		04 Jan 2024	16 Jan 2023	14 Sep 2022
Machine Age	hrs	Client Info		3952	2451	1969
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		Changed	Not Changd	Changed
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
PQ		ASTM D8184		16	12	10
Iron	ppm	ASTM D5185m	>500	43	36	86
Chromium	ppm	ASTM D5185m	>10	0	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	<1	<1
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	<1	2
Lead	ppm	ASTM D5185m	>25	17	11	<u> </u>
Copper	ppm	ASTM D5185m	>100	A 202	1 15	A 330
Tin	ppm	ASTM D5185m	>10	1	<1	1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	ooala	1.00.00		NONE	NONE	HOHL
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	scalar			-		
Yellow Metal Silicon	scalar ppm	*Visual ASTM D5185m	NONE >75	NONE	NONE 4	NONE 4
Yellow Metal Silicon Potassium	scalar	*Visual ASTM D5185m ASTM D5185m	NONE >75 >20	NONE 4 0	NONE 4 <1	NONE 4 <1
Yellow Metal Silicon Potassium Water	scalar ppm ppm	*Visual ASTM D5185m ASTM D5185m WC Method	NONE >75 >20 >.2	NONE 4 0 NEG	NONE 4 <1 NEG	NONE 4 <1 NEG
Yellow Metal Silicon Potassium Water Silt	scalar ppm ppm scalar	*Visual ASTM D5185m ASTM D5185m WC Method *Visual	NONE >75 >20 >.2 NONE	NONE 4 0 NEG NONE	A <1 NEG NONE	A <1 NEG NONE
Yellow Metal Silicon Potassium Water Silt Debris	scalar ppm ppm	*Visual ASTM D5185m ASTM D5185m WC Method	NONE >75 >20 >.2	NONE 4 0 NEG NONE NONE	NONE 4 <1 NEG	NONE 4 <1 NEG
Yellow Metal Silicon Potassium Water Silt Debris Sand/Dirt	scalar ppm ppm scalar scalar	*Visual ASTM D5185m ASTM D5185m WC Method *Visual *Visual	NONE >75 >20 >.2 NONE NONE	NONE 4 0 NEG NONE	A <1 NEG NONE NONE	A <1 NEG NONE NONE
Yellow Metal Silicon Potassium Water Silt Debris	scalar ppm ppm scalar scalar scalar	*Visual ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual	NONE >75 >20 >.2 NONE NONE NONE	NONE 4 0 NEG NONE NONE NONE	NONE 4 <1 NEG NONE NONE NONE	NONE4<1NEGNONENONENONE
Yellow Metal Silicon Potassium Water Silt Debris Sand/Dirt Appearance	scalar ppm ppm scalar scalar scalar scalar	*Visual ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual	NONE >75 >20 >.2 NONE NONE NORE	NONE 4 0 NEG NONE NONE NONE	NONE 4 <1 NEG NONE NONE NONE NORML	NONE 4 <1 <p>NONE NONE NONE NONE NONE</p>
Yellow Metal Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor	scalar ppm ppm scalar scalar scalar scalar scalar	*Visual ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual	NONE >75 >20 >.2 NONE NONE NORML	NONE 4 0 NEG NONE NONE NONE NORML NORML	NONE 4 <1 NEG NONE NONE NONE NORML NORML	A 4 <1 NEG NONE NONE NONE NORML NORML
Yellow Metal Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor	scalar ppm ppm scalar scalar scalar scalar scalar	*Visual ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual	NONE >75 >20 >.2 NONE NONE NORML	NONE 4 0 NEG NONE NONE NONE NORML NORML	NONE 4 <1 NEG NONE NONE NONE NORML NORML	NONE 4 <1 NEG NONE NONE NONE NORML NORML
Yellow Metal Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	scalar ppm ppm scalar scalar scalar scalar scalar scalar	*Visual ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual	NONE >75 >20 >.2 NONE NONE NORML	NONE 4 0 NEG NONE NONE NONE NORML NORML NEG	NONE 4 <1 NEG NONE NONE NONE NORML NORML NEG	A 4 <1 NEG NONE NONE NONE NORML NORML NEG
Yellow Metal Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium	scalar ppm scalar scalar scalar scalar scalar scalar scalar	*Visual ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	NONE >75 >20 >.2 NONE NONE NONE NORML NORML >.2	NONE 4 0 NEG NONE NONE NORE NORML NEG	NONE 4 <1 NEG NONE NONE NORML NORML NEG 2	NONE 4 <i NEG NONE NONE NORML NORML NEG 5</i
Yellow Metal Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	scalar ppm scalar scalar scalar scalar scalar scalar scalar ppm	*Visual ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m	NONE >75 >20 >.2 NONE NORME NORML >.2	NONE 4 0 NEG NONE NONE NORML NORML NEG 4 2	NONE 4 <1 NEG NONE NONE NORML NORML NEG 2 <1	NONE 4 A NEG NONE NONE NORML NORML NEG 5 2
Yellow Metal Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium	scalar ppm scalar scalar scalar scalar scalar scalar gpm	*Visual ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m	NONE >75 >20 >.2 NONE NONE NORML >.2 6 0	NONE 4 0 NEG NONE NONE NORML NORML NEG 4 <1 0	NONE 4 <1 NEG NONE NONE NORML NORML NEG 2 <1 11	NONE 4 A NEG NONE NONE NORML NORML NORML NEG 5 2 <1
Yellow Metal Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum	scalar ppm scalar scalar scalar scalar scalar scalar ppm ppm	*Visual ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m	NONE >75 >20 >.2 NONE NONE NORML >.2 6 0	NONE 4 0 NEG NONE NONE NORML NORML NEG 4 <1 0 0	NONE 4 <1 NEG NONE NONE NORML NORML NEG 2 <1 11	NONE 4 4 <1 NEG NONE NONE NORML NORML NEG 5 2 <1 <1
Yellow Metal Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese	scalar ppm scalar scalar scalar scalar scalar scalar ppm ppm ppm	*Visual ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m	NONE >75 >20 >.2 NONE NONE NORML NORML >.2 6 0 0	NONE 4 0 NEG NONE NONE NORML NORML NEG 4	NONE 4 <1 NEG NONE NONE NORML NORML NEG 2 <1 11 1 1 <1	NONE 4 4 <1 NEG NONE NORML NORML NEG 5 2 <1 3
Yellow Metal Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium	scalar ppm scalar scalar scalar scalar scalar scalar ppm ppm ppm ppm	*Visual ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NONE >75 >20 >.2 NONE NORME NORML >.2 6 0 0	NONE 4 0 NEG NONE NONE NONE NORML NORML NEG 4 <1 0 0 1 85	NONE 4 4 1 NONE NONE NONE NORML NORML NORML NEG 2 11 11 1 <1 92	NONE 4 <1 NEG NONE NONE NORML NORML NEG 5 2 <1 3 87
Yellow Metal Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	scalar ppm scalar scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm	*Visual ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NONE >75 >20 >.2 NONE NONE NORML >.2 6 0 0 0 145 3570	NONE 4 0 NEG NONE NONE NORML NORML NEG 4 <1 0 0 1 1 85 3047	NONE 4 <1 NEG NONE NONE NORML NORML NEG 2 <1 11 1 1 <1 92 3323	NONE 4 4 <1 NEG NONE NONE NORML NORML NEG 5 2 <1 3 87 3183
Yellow Metal Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	scalar ppm scalar scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm	*Visual ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NONE >75 >20 NONE NONE NORML NORML >.2 6 0 0 145 3570 1290	NONE 4 0 NEG NONE NONE NORML NORML NEG 4 4 <1 0 0 1 85 3047 994	NONE 4 <1 NEG NONE NONE NORML NORML NEG 2 <1 11 1 <1 92 3323 958	NONE 4 <1 NEG NONE NORML NORML NORML NEG 5 2 <1 3 87 3183 924

Contact/Location: DAVID ZIEG - JAMASH



JRE - ASHLAND Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. : JR0200237 Recieved : 09 Jan 2024 11047 LEADBETTER RD Lab Number : 06055576 : 10 Jan 2024 ASHLAND, VA Diagnosed Unique Number : 10821525 Diagnostician : Sean Felton US 23005 Test Package : CONST (Additional Tests: PQ) Contact: DAVID ZIEG Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. dzieg@jamesriverequipment.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (804)798-6001 F: (804)798-0292 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Contact/Location: DAVID ZIEG - JAMASH

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