

# **OIL ANALYSIS REPORT**

## Sample Rating Trend

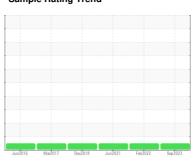
# NORMAL



# Area [W46763] JOHN DEERE 644K 1DW644KZCED662172

Component **Rear Differential** 

JOHN DEERE HY-GARD HYD/TRANS (6 GAL)





#### Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the fluid.

## **Fluid Condition**

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

`		Jun2016	Mar2017 Dec2018	Jun2021 Feb2022	Sep 2023	
SAMPLE INFORM	NOITAN	method	limit/base	current	history1	history2
Sample Number		Client Info		JR0179193	JR0105907	JR0088887
Sample Date		Client Info		28 Sep 2023	02 Feb 2022	08 Jun 2021
Machine Age	hrs	Client Info		7961	5991	5036
Oil Age	hrs	Client Info		0	1000	0
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184	>135	19	19	31
Iron	ppm	ASTM D5185m	>420	42	61	263
Chromium	ppm	ASTM D5185m	>4	0	<1	1
Nickel	ppm	ASTM D5185m	>4	0	<1	<1
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>5	5	4	0
Lead	ppm	ASTM D5185m	>95	<1	11	4
Copper	ppm	ASTM D5185m	>170	10	11	43
Tin	ppm	ASTM D5185m	>15	<1	<1	3
Antimony	ppm	ASTM D5185m	>4		<1	0
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	6	0	5	8
Barium	ppm	ASTM D5185m	0	0	<1	3
Molybdenum	ppm	ASTM D5185m	0	2	1	<1
Manganese	ppm	ASTM D5185m		<1	1	6
Magnesium	ppm	ASTM D5185m	145	98	103	90
Calcium	ppm	ASTM D5185m	3570	3232	3715	3426
Phosphorus	ppm	ASTM D5185m	1290	1021	1156	1015
Zinc	ppm	ASTM D5185m	1640	1220	1181	1208
Sulfur	ppm	ASTM D5185m		3529	3733	3219
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>35	3	6	9
Sodium	ppm	ASTM D5185m		5	3	11
Potassium	ppm	ASTM D5185m	>20	0	1	2
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	LIGHT	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	VLITE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG



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Report Id: JAMASH [WUSCAR] 05965625 (Generated: 10/05/2023 15:06:30) Rev: 1

Laboratory Sample No. Lab Number Unique Number

: JR0179193 : 05965625 : 10672176

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 29 Sep 2023 Diagnosed : 05 Oct 2023

Diagnostician : Doug Bogart

Test Package : CONST ( Additional Tests: PQ )

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)

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