

OIL ANALYSIS REPORT

Sample Rating Trend

DIRT

Machine Id

JOHN DEERE 843L 1DW843LBKKF700324

Front Axle

JOHN DEERE HY-GARD HYD/TRANS (--- QTS)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

Elemental level of silicon (Si) above normal.

Fluid Condition

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

TS)		,		May 2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WE0007810		
Sample Date		Client Info		29 May 2024		
Machine Age	hrs	Client Info		7361		
Oil Age	hrs	Client Info		500		
Oil Changed		Client Info		Not Changd		
Sample Status				ABNORMAL		
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG		
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		60		
Iron	ppm	ASTM D5185m	>750	304		
Chromium	ppm	ASTM D5185m	>11	2		
Nickel	ppm	ASTM D5185m	>10	1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>21	4		
Lead	ppm	ASTM D5185m	>49	2		
Copper	ppm	ASTM D5185m	>101	32		
Γin	ppm	ASTM D5185m	>10	2		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	6	0		
Barium	ppm	ASTM D5185m	0	2		
Molybdenum	ppm	ASTM D5185m	0	<1		
Manganese	ppm	ASTM D5185m		5		
Magnesium	ppm	ASTM D5185m	145	88		
Calcium	ppm	ASTM D5185m	3570	3084		
Phosphorus	ppm	ASTM D5185m	1290	974		
Zinc	ppm	ASTM D5185m	1640	1110		
Sulfur	ppm	ASTM D5185m		4698		
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>31	▲ 32		
Sodium	ppm	ASTM D5185m	>51	4		
Potassium	ppm	ASTM D5185m	>20	2		
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Precipitate	scalar	*Visual	NONE	NONE		
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		
Free Water	scalar	*Visual	(NEG	n: PAMELA CLA	ARK <u>- W</u> ARNO



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Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Lab Number : 06201726

: WE0007810 Unique Number : 11063849

Received **Tested** Diagnosed

: 06 Jun 2024 : 07 Jun 2024

: 09 Jun 2024 - Don Baldridge

NORTHPORT, AL

US 35476 Contact: PAMELA CLARK pamela@warriortractor.com T: (205)339-0300

WARRIOR TRACTOR AND EQUIPMENT - NORTHPORT

Test Package : CONST (Additional Tests: PQ) Certificate 12367 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)

Report Id: WARNOR [WUSCAR] 06201726 (Generated: 06/10/2024 19:22:10) Rev: 1

Contact/Location: PAMELA CLARK - WARNOR

P.O. BOX 412