

WEAR CONTAMINATION FLUID CONDITION

NORMAL SEVERE NORMAL

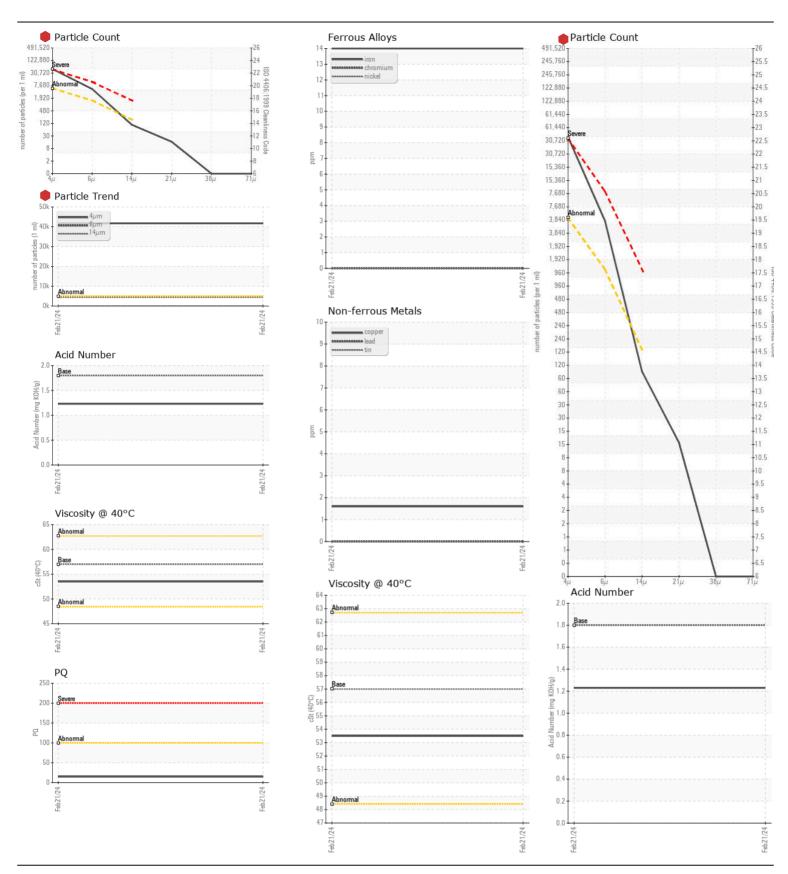
SULLIVAN FARMS

JOHN DEERE 8270R 8270R JOHN DEERE TRACTOR (S/N 1RW8270RKFP101260)

Hydraulic System

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

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Check seals and/or filters for points of contaminant entry. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we	Sample Number		Client Info		WC0910400		
	Sample Date		Client Info		21 Feb 2024		
	Machine Age	hrs	Client Info		3647		
	Oil Age	hrs	Client Info		3647		
recommend that you service/replace the breather. We recommend you	Filter Age	hrs	Client Info		0		
service the filters on this component. Resample in 30-45 days to	Oil Changed		Client Info		Not Changd		
monitor this situation.	Filter Changed		Client Info		N/A		
	Sample Status				SEVERE		
WEAR	PQ		ASTM D8184		15		
All component wear rates are normal.	Iron	ppm	ASTM D5185m	>20	14		
	Chromium	ppm	ASTM D5185m	>10	0		
	Nickel	ppm	ASTM D5185m	>10	0		
	Titanium	ppm	ASTM D5185m		0		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m	>10	1		
	Lead	ppm	ASTM D5185m	>10	0		
	Copper	ppm	ASTM D5185m		2		
	Tin	ppm	ASTM D5185m	>10	0		
	Vanadium	ppm	ASTM D5185m		0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m	>20	6		
There is a high amount of silt (particulates < 14 microns in size) present in the oil.	Potassium	ppm	ASTM D5185m	>20	0		
	Water		WC Method	>0.1	NEG		
	Particles >4µm		ASTM D7647	>5000	41710		
	Particles >6µm		ASTM D7647	>1300	4637		
	Particles >14µm		ASTM D7647	>160	90		
	Particles >21µm		ASTM D7647	>40	14		
	Particles >38µm		ASTM D7647	>10	0		
	Particles >71µm		ASTM D7647	>3	0		
	Oil Cleanliness		ISO 4406 (c)	>19/17/14	23/19/14		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	LIGHT		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance	scalar	*Visual	NORML	NORML		
	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water	scalar	*Visual	>0.1	NEG		
FLUID CONDITION	Sodium	ppm	ASTM D5185m		<1		
The AN level is acceptable for this fluid. The oil is still serviceable	Boron	ppm	ASTM D5185m		1		
provided that the contaminant(s) can be reduced to acceptable levels.	Barium	ppm	ASTM D5185m		<1		
	Molybdenum	ppm	ASTM D5185m	0	0		
	Manganese	ppm	ASTM D5185m		<1		
	Magnesium	ppm	ASTM D5185m		96		
	Calcium	ppm	ASTM D5185m		3171		
	Phosphorus	ppm	ASTM D5185m		969		
	Zinc	ppm	ASTM D5185m	1640	1159		
	Sulfur	ppm	ASTM D5185m		3124		
	Acid Number (AN)	mg KOH/g	ASTM D8045		1.23		
	Visc @ 40°C	cSt	ASTM D445	57.0	53.5		





Certificate L2367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Lab Number : 06099094

: WC0910400 Unique Number : 10897324

Received **Tested**

Diagnosed Test Package : CONST (Additional Tests: PQ)

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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.

: 26 Feb 2024 - Wes Davis

: 23 Feb 2024

: 26 Feb 2024

Contact: BEXLEY EATMON beatmon@qualityequip.com T: (252)291-0110

QUALITY EQUIPMENT

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