WEAR CONTAMINATION FLUID CONDITION

ABNORMAL

ABNORMAL

NORMAL

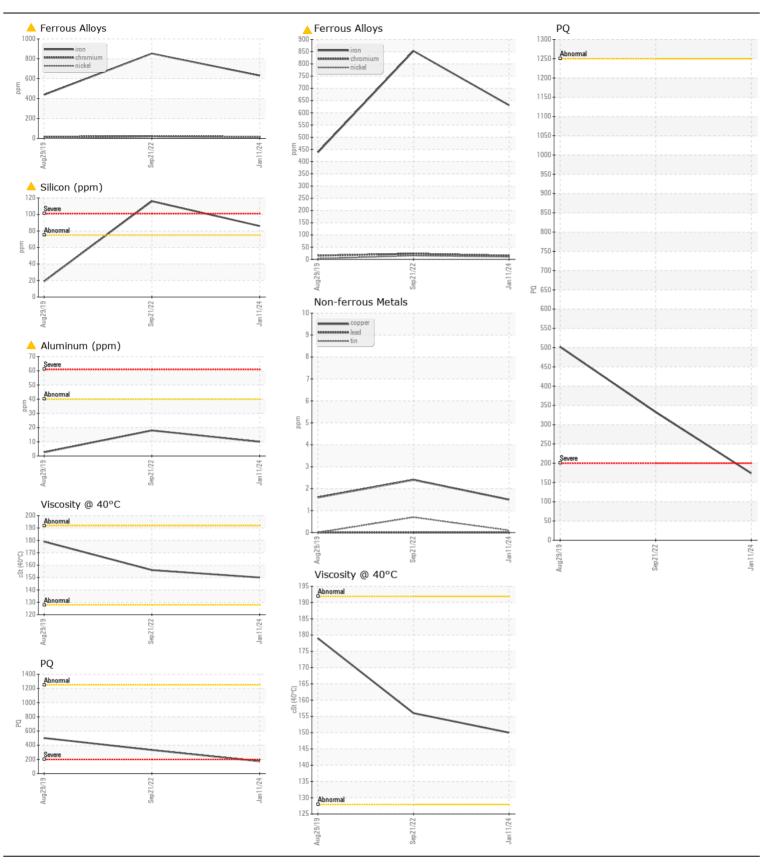
Area

[COUNTY OF WARREN]

JOHN DEERE 50G 1FF050GXTJH287986

Right Final Drive

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.	Sample Number		Client Info		JR0195655	JR0138242	JR001575
	Sample Date		Client Info		11 Jan 2024	21 Sep 2022	29 Aug 201
	Machine Age	hrs	Client Info		2330	1829	520
	Oil Age	hrs	Client Info		0	0	0
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed		Client Info		Changed	Not Changd	Not Chang
	Filter Changed		Client Info		N/A	N/A	N/A
	Sample Status				ABNORMAL	ABNORMAL	NORMAI
WEAR	PQ		ASTM D8184	>1250	174	333	502
The chromium level is abnormal. All other component wear rates are normal.	Iron	ppm	ASTM D5185m	>750	631	▲ 853	438
	Chromium	ppm	ASTM D5185m	>9	1 5	<u> </u>	15
	Nickel	ppm	ASTM D5185m	>10	10	15	3
	Titanium	ppm	ASTM D5185m		2	3	<1
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m		1 0	1 8	3
	Lead	ppm	ASTM D5185m	>15	0	0	0
	Copper	ppm	ASTM D5185m		2	2	2
	Tin	ppm	ASTM D5185m	>10	<1	<1	0
	Vanadium	ppm	ASTM D5185m		0	<1	<1
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION Elemental levels of silicon (Si) and aluminum (Al) indicate aluminasilicate (coarse dirt) ingress.	Silicon	ppm	ASTM D5185m	>75	<u>▲</u> 86	△ 116	19
	Potassium	ppm	ASTM D5185m	>20	4	5	6
	Water		WC Method	>0.075	NEG	NEG	NEG
	Silt	scalar	*Visual	NONE	MODER	NONE	LIGHT
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORM
	Odor	scalar	*Visual	NORML	NORML	NORML	NORM
<u></u>	Emulsified Water	scalar	*Visual	>0.075	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>51	2	4	2
The condition of the oil is acceptable for the time in service.	Boron	ppm	ASTM D5185m		12	18	51
	Barium	ppm	ASTM D5185m		<1	2	1
	Molybdenum	ppm	ASTM D5185m		0	<1	0
	Manganese	ppm	ASTM D5185m		11	15	10
	Magnesium	ppm	ASTM D5185m		4	8	1
	Calcium	ppm	ASTM D5185m		85	32	11
					004	400	458
	Phosphorus	ppm	ASTM D5185m		361	403	
	Phosphorus Zinc Sulfur	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m		155 16700	202 18796	141





Laboratory Sample No. Lab Number **Unique Number**

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : JR0195655 : 06063852

: 10835234

Recieved : 17 Jan 2024 Diagnosed : 20 Jan 2024 Diagnostician : Don Baldridge

Test Package : CONST (Additional Tests: PQ)

US 22656-1761 Contact: PHIL DAUGHERTY pdaugherty@jamesriverequipment.com T: x:

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: (540)693-2588

JRE - STEPHENSON

STEPHENSON, VA

245 YARDMASTER COURT