

### Machine Id HITACHI 1FFDDR70PMF940961

## Right Final Drive

**JOHN DEERE GL-5 80W90 (--- GAL)** 

### RECOMMENDATION

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0157601	JR0160403	JR0150090
Sample Date		Client Info		03 Apr 2023	30 Jan 2023	18 Oct 2022
Machine Age	hrs	Client Info		3445	2947	2462
Oil Age	hrs	Client Info		2450	2437	510
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Change
Filter Changed		Client Info		None	None	N/A
Sample Status				ABNORMAL	ABNORMAL	NORMAL
PQ		ASTM D8184		187	171	108
Iron	ppm	ASTM D5185m	>500	<b>6</b> 597	467	290
Chromium	ppm	ASTM D5185m	>10	6	6	4
Nickel	ppm	ASTM D5185m		<1	1	0
Titanium	ppm	ASTM D5185m		2	2	1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>2</b> 8	<b>1</b> 23	15
Lead	ppm	ASTM D5185m	>25	0	0	0
Copper	ppm	ASTM D5185m	>50	<1	1	<1
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	MODER	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	<b>a</b> 82	<b>7</b> 8	44
Potassium	ppm	ASTM D5185m	>20	6	3	4
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	A MODER	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORM
Odor	scalar	*Visual	NORML	NORML	NORML	NORM
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m		3	3	0
Boron	ppm	ASTM D5185m		75	78	67
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		2	2	2
Manganese	ppm	ASTM D5185m		7	6	4
Magnesium	ppm	ASTM D5185m		11	8	9
Calcium	ppm	ASTM D5185m		25	24	21
Phosphorus	ppm	ASTM D5185m		618	652	632
Zinc	ppm	ASTM D5185m		18	5	17
Sulfur	ppm	ASTM D5185m		20651	19899	21161

Visc @ 40°C

cSt

ASTM D445

# WEAR

The iron level is abnormal. All other component wear rates are normal.

### CONTAMINATION

Elemental levels of silicon (Si) and aluminum (AI) indicate aluminasilicate (coarse dirt) ingress.

#### FLUID CONDITION

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

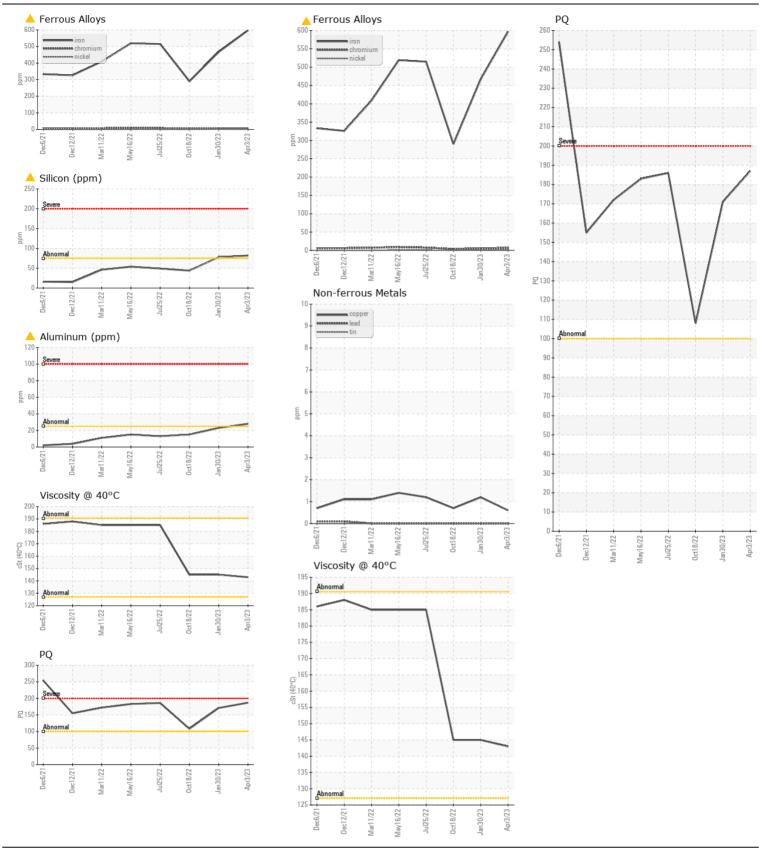
Report Id: BSSWAR [WUSCAR] 05811119 (Generated: 02/20/2024 09:12:17) Rev: 1

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**B & S SITE DEVLEOPMENT** Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 : JR0157601 : 04 Apr 2023 7800 PINEY BRANCH LANE Sample No. Received : 05811119 BRISTOW, VA Lab Number Tested : 06 Apr 2023 Unique Number : 10413911 : 07 Apr 2023 - Angela Borella US 20136 Diagnosed Test Package : CONST (Additional Tests: PQ) Contact: DANNY HUFF Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. dhuff@bandssite.com \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (540)270-3203 F: (703)753-0605

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

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