

OIL ANALYSIS REPORT

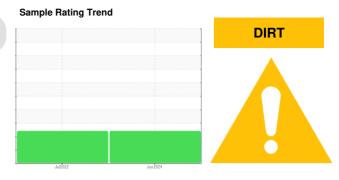
Area

[W52507 IRON HORSE] JOHN DEERE 30G 1FF030GXJJK266195

Left Final Drive

Fluid

JOHN DEERE GL-5 80W90 (--- QTS)



DIAGNOSIS

Recommendation

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.

Wear

All component wear rates are normal.

Contamination

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Fluid Condition

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

Sample Number Client Info JR0211623 JR0125627 Sample Date Client Info 17 Jun 2024 11 Jul 2022 Machine Age hrs Client Info 0 0 0 Oil Age hrs Client Info 0 0 0 Oil Changed Client Info Changed Changed Sample Status Method Imitibase current history1 history2 Water WC Method 0.0.75 NEG NEG WEAR METALS method Imitibase current history1 history2 Water WC Method 0.0.75 NEG NEG PQ	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Date	Sample Number		Client Info		JR0211623	JR0125627	
Machine Age hrs Client Info 0 <td>·</td> <td></td> <td></td> <td></td> <th></th> <td></td> <td></td>	·						
Oil Age hrs Client Info 0 0 Oil Changed Sample Status Client Info Changed Changed ABNORMAL ATTENTION CONTAMINATION method limit/base current history1 history2 Water WC Method >0.075 NEG NEG WEAR METALS method limit/base current history1 history2 PQ ASTM D5186m >1250 282 47 Iron ppm ASTM D5185m >750 686 148 Chromium ppm ASTM D5185m >9 12 3 Nickel ppm ASTM D5185m >10 5 <1 Lead ppm ASTM D5185m >40 15 5 Copper ppm ASTM D5185m >10 0 7 Vanadium ppm ASTM D5185m >10 0 1		hrs					
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PQ ASTM D8184 bits >1250 282 bits 47		-					
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Chromium	PQ		ASTM D8184	>1250	282	47	
Nickel ppm ASTM D5185m >10 5 <1	Iron	ppm	ASTM D5185m	>750	686	148	
Titanium	Chromium	ppm	ASTM D5185m	>9	12	3	
Silver	Nickel		ASTM D5185m	>10	5	<1	
Aluminum	Titanium	ppm	ASTM D5185m		2	<1	
Lead	Silver	ppm	ASTM D5185m		0	2	
Copper	Aluminum	ppm	ASTM D5185m	>40	1 5	5	
Tin ppm ASTM D5185m >10 0 1 Vanadium ppm ASTM D5185m < 1 0 Cadmium ppm ASTM D5185m < 1 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 62 166 Barium ppm ASTM D5185m 3 13 Molybdenum ppm ASTM D5185m 3 15 Manganese ppm ASTM D5185m 8 3 15 Manganese ppm ASTM D5185m 6 14 Calcium ppm ASTM D5185m 6 14 Phosphorus ppm ASTM D5185m 633 2681 Phosphorus ppm ASTM D5185m 741 438 Sulfur ppm ASTM D5185m 211 541 Sulfur ppm ASTM D5185m 25925 2510 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >75 ▲ 120 20 Sodium ppm ASTM D5185m >51 2 3 Potassium ppm ASTM D5185m >20 4 3 VISUAL method limit/base current history1 history2 White Metal scalar "Visual NONE NONE NONE Precipitate scalar "Visual NONE NONE NONE NONE Silit scalar "Visual NONE NONE NONE NONE NONE Scalar "Visual NONE NONE NONE NONE Sand/Dirt scalar "Visual NONE NONE NONE Sand/Dirt scalar "Visual NONE NONE NONE NONE Sand/Dirt scalar "Visual NORML NORML NORML NORML NORML NORML Sand/Dirt scalar "Visual NORML NORML NORML NORML NORML Sand/Dirt scalar "Visual NORML NORML NORML NORML Sand/Dirt scalar "Visual NORML NORML NORML NORML Free Water scalar "Visual NORML NORML NORML NORML Sand/Dirt scalar "Visual NORML NORML NORML NORML Sand/Dirt scalar "Visual NORML NORML NORML NORML	Lead	ppm	ASTM D5185m	>15	0	7	
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Boron	Cadmium	ppm	ASTM D5185m		<1	<1	
Boron	ADDITIVES		method	limit/hasa	current	history1	hietory2
Barium				IIIIII Daoc			
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Silicon ppm ASTM D5185m >75 ▲ 120 20	-					-	
Silicon	Sultur	ppm	ASTM D5185m		25925	2510	
Sodium				limit/base		history1	history2
Potassium ppm ASTM D5185m >20 4 3	Silicon	ppm			<u> </u>	20	
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White Metal scalar *Visual NONE NONE NONE Yellow Metal scalar *Visual NONE NONE NONE Precipitate scalar *Visual NONE NONE NONE Silt scalar *Visual NONE NONE NONE Debris scalar *Visual NONE NONE NONE Sand/Dirt scalar *Visual NORML NORML NORML Appearance scalar *Visual NORML NORML NORML Odor scalar *Visual NORML NORML NORML Emulsified Water scalar *Visual >0.075 NEG NEG Free Water scalar *Visual NEG NASH	Potassium	ppm	ASTM D5185m	>20	4	3	
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Emulsified Water scalar *Visual >0.075 NEG NEG Free Water scalar *Visual NEG NEG Cation & Ocation	Appearance	scalar		NORML	NORML	NORML	
Free Water scalar *Visual NEG cations @AVID ZIEGJAMASH	Odor	scalar		NORML	NORML	NORML	
	Emulsified Water	scalar	*Visual	>0.075			
	Free Water	scalar	*Visual		NEG	cation @AVID	



OIL ANALYSIS REPORT







Laboratory Sample No.

Lab Number : 06217075 Unique Number : 11089939

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : JR0211623 Received : 21 Jun 2024 **Tested**

: 24 Jun 2024 Diagnosed

: 24 Jun 2024 - Jonathan Hester

11047 LEADBETTER RD ASHLAND, VA US 23005

JRE - ASHLAND

Contact: DAVID ZIEG dzieg@jamesriverequipment.com

T: (804)798-6001 F: (804)798-0292

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)

Contact/Location: DAVID ZIEG - JAMASH