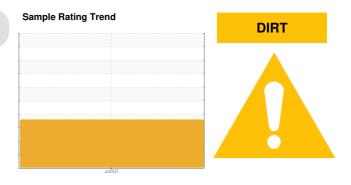


PROBLEM SUMMARY

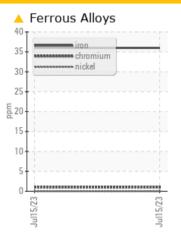
ROCKVILLE Machine Id JOHN DEERE 350G M08-0875 1FF350GXCGF811198

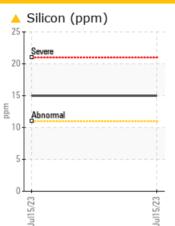
Hydraulic System

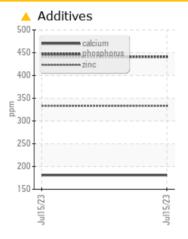
HITACHI HYDRAULIC SUPER EX 46HN (--- GAL)

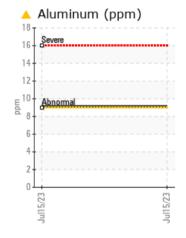


COMPONENT CONDITION SUMMARY









RECOMMENDATION

We advise that you check all areas where dirt can enter the system. Recommend drain oil if not already done. Reduce drain interval to 2000 hours or drain and flush and use recommended zinc free oil.

PROBLEMATIC TEST RESULTS									
Sample Status				ABNORMAL					
Iron	ppm	ASTM D5185m	>32	△ 36					
Aluminum	ppm	ASTM D5185m	>9	<u> </u>					
Zinc	ppm	ASTM D5185m	0	4 333					
Silicon	maa	ASTM D5185m	>11	<u> </u>					

Customer Id: LUCMIL Sample No.: JR0165554 Lab Number: 05901198 Test Package: CONST



To manage this report scan the QR code

To discuss the diagnosis or test data:

Don Baldridge +1 don.b505@comcast.net

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

RECOMMENDED ACTIONS							
Action	Status	Date	Done By	Description			
Change Fluid			?	Recommend drain oil if not already done. Reduce drain interval to 2000 hours or drain and flush and use recommended zinc free oil.			
Flush System			?	Recommend drain oil if not already done. Reduce drain interval to 2000 hours or drain and flush and use recommended zinc free oil.			
Check Dirt Access			?	We advise that you check all areas where dirt can enter the system.			

HISTORICAL DIAGNOSIS



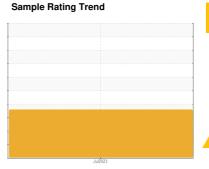
OIL ANALYSIS REPORT

ROCKVILLE

JOHN DEERE 350G M08-0875 1FF350GXCGF811198

Hydraulic System

HITACHI HYDRAULIC SUPER EX 46HN (---





DIAGNOSIS

Recommendation

We advise that you check all areas where dirt can enter the system. Recommend drain oil if not already done. Reduce drain interval to 2000 hours or drain and flush and use recommended zinc free

Wear

The iron level is abnormal.

Contamination

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The amount and size of particulates present in the system are acceptable.

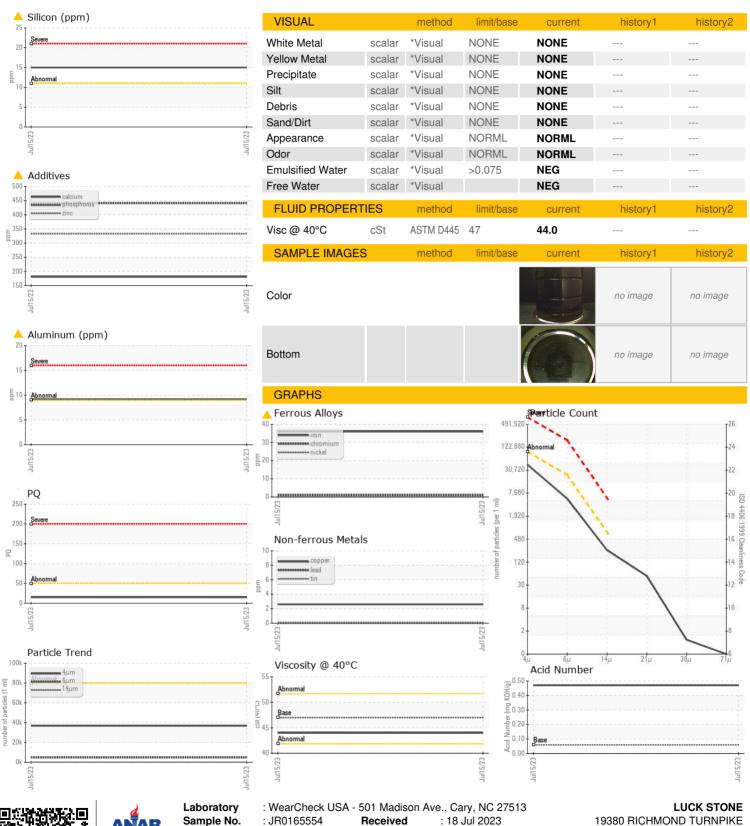
Fluid Condition

Zinc level above manufacturer's recommendations. The AN level is acceptable for this fluid.

GAL)						
		<u>, </u>		Jul2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		JR0165554		
Sample Date		Client Info		15 Jul 2023		
Machine Age	hrs	Client Info		6725		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Not Changd		
Sample Status				ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184	>50	15		
Iron	ppm	ASTM D5185m	>32	△ 36		
Chromium	ppm	ASTM D5185m	>9	1		
Nickel	ppm	ASTM D5185m	>5	0		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>9	<u>^</u> 9		
Lead	ppm	ASTM D5185m	>28	0		
Copper	ppm	ASTM D5185m	>50	3		
Tin	ppm	ASTM D5185m	>5	0		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	D 10 100	ASTM D5185m		3		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		6		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		32		
Calcium	ppm	ASTM D5185m		181		
	ppm		0.07	441		
Phosphorus	ppm	ASTM D5185m	827			
Zinc	ppm	ASTM D5185m ASTM D5185m	0	△ 333		
Sulfur	ppm	MS I IVI DO 185ITI	13	1108		
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>11	<u> </u>		
Sodium	ppm	ASTM D5185m	>21	1		
Potassium	ppm	ASTM D5185m	>20	2		
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>80000	36903		
Particles >6µm		ASTM D7647	>20000	4786		
Particles >14µm		ASTM D7647	>640	217		
Particles >21µm		ASTM D7647	>160	46		
Particles >38µm		ASTM D7647	>40	1		
Particles >71µm		ASTM D7647	>10	0		
Oil Cleanliness		ISO 4406 (c)	>23/21/16	22/19/15		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.06	0.47		



OIL ANALYSIS REPORT





Certificate L2367

Sample No. Lab Number **Unique Number**

: JR0165554 : 05901198 : 10562554

Received Diagnosed

Diagnostician : Don Baldridge Test Package : CONST (Additional Tests: PQ)

: 18 Jul 2023 : 19 Jul 2023

Contact: BRYAN MORRIS bmorris@luckstone.com T: (804)400-3630

Contact/Location: BRYAN MORRIS - LUCMIL

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)

MILFORD, VA

US 22514

F: x: