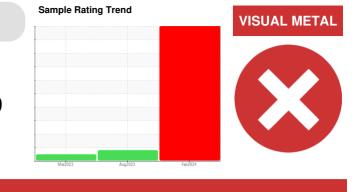


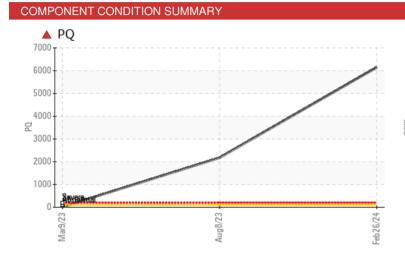
# **PROBLEM SUMMARY**

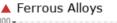
## [W47882] Machine Id HITACHI 85USB-5 HCMDEF60K00021559

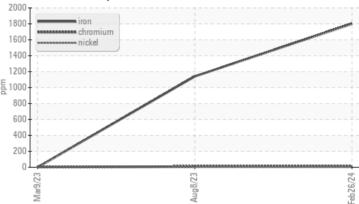
Component Left Final Drive Fluid

JOHN DEERE GL-5 80W90 (1 QTS)









### RECOMMENDATION

The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. ( Customer Sample Comment: W47882 )

PROBLEMATIC TEST RESULTS										
Sample Status				SEVERE	ABNORMAL	NORMAL				
PQ		ASTM D8184		<b>6142</b>	2174	8				
Iron	ppm	ASTM D5185m	>500	<b>▲</b> 1801	🔺 1141	0				
Chromium	ppm	ASTM D5185m	>10	🔺 15	11	0				
Yellow Metal	scalar	*Visual	NONE	🔺 HEAVY	NONE	NONE				

Customer Id: RWMFAY Sample No.: JR0202336 Lab Number: 06101178 Test Package: CONST



To manage this report scan the QR code

To discuss the diagnosis or test data: Sean Felton +1 919-379-4092 sfelton@wearcheckusa.com

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

RECOMMENDED ACTIONS							
Action	Status	Date	Done By	Description			
Inspect Wear Source			?	We advise that you inspect for the source(s) of wear.			
Resample			?	We recommend an early resample to monitor this condition.			

### HISTORICAL DIAGNOSIS



## 08 Aug 2023 Diag: Don Baldridge

No corrective action is recommended at this time. Resample at the next service interval to monitor.Gear wear is indicated. All other metal levels are typical for a new component breaking in. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



### 09 Mar 2023 Diag: Sean Felton



Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.





# **OIL ANALYSIS REPORT**

Oil Age

Water

PQ

Iron

Nickel

Silver

Lead

Tin

Copper

Boron

Barium

Calcium

Zinc

Sulfur

Silicon

Sodium

Silt

Debris

Odor

Sand/Dirt

Appearance

**Emulsified Water** 

scalar

scalar

scalar

scalar

\*Visual

\*Visual

\*Visual

\*Visual

scalar \*Visual

Titanium

## ĨŴ478821 HITACHI 85USB-5 HCMDEF60K00021559 Component

Left Final Drive JOHN DEERE GL-5 80W90 (1 QTS)

### DIAGNOSIS

#### Recommendation

The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. ( Customer Sample Comment: W47882)

### A Wear

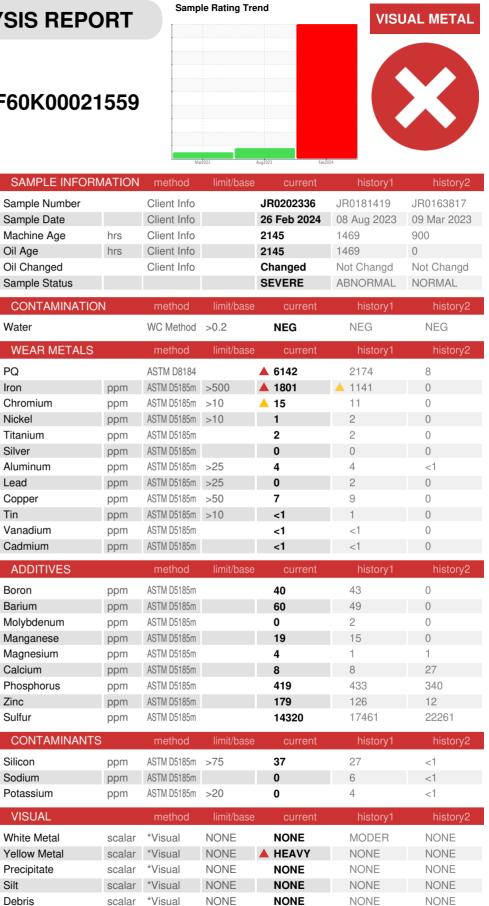
Gear wear is indicated. Moderate concentration of visible metal present. The very high ferrous density (PQ) index indicates that severe wear is occurring.

#### Contamination

There is no indication of any contamination in the oil.

### Fluid Condition

The oil is no longer serviceable as a result of the abnormal and/or severe wear.



NONE

NORML

NORML

>0.2

NONE

NORML

NORML

NEG

NEG

NONE

NORML

NORML

NEG

NONE

NORML

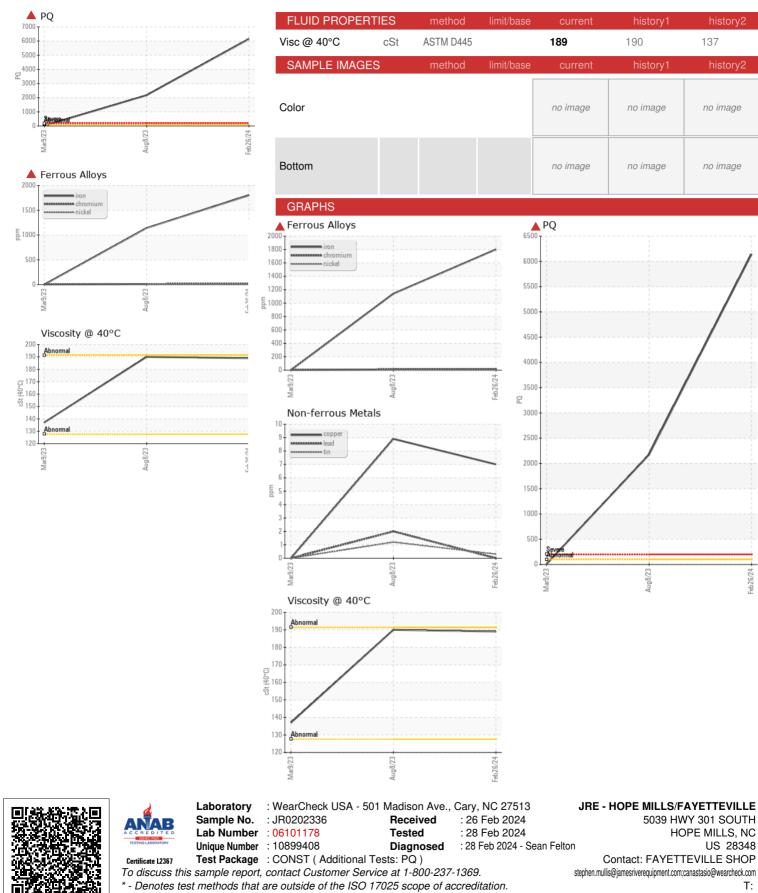
NORML

NEG

Submitted By: Jushie Cackson



# **OIL ANALYSIS REPORT**



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

Т:

F:

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