

PROBLEM SUMMARY

Sample Rating Trend





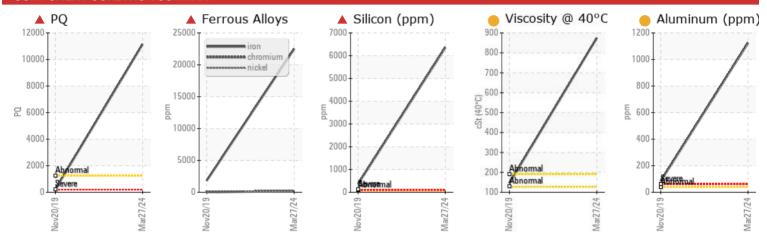


JOHN DEERE 323E 1T0323EACHJ308005

Left Final Drive

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

COMPONENT CONDITION SUMMARY



RECOMMENDATION

We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS									
Sample Status				SEVERE	SEVERE				
PQ		ASTM D8184	>1250	11151	234				
Iron	ppm	ASTM D5185m	>750	22503	▲ 1823				
Chromium	ppm	ASTM D5185m	>9	197	1 25				
Nickel	ppm	ASTM D5185m	>10	119	<u> </u>				
Silicon	ppm	ASTM D5185m	>75	△ 6360	△ 365				

Customer Id: JAMASH Sample No.: JR0199612 Lab Number: 06132312 Test Package: CONST

To manage this report scan the QR code

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

RECOMMENDED ACTIONS						
Action Inspect Wear Source	Status 	Date 	Done By	Description We advise that you inspect for the source(s) of wear.		
Change Fluid			?	We recommend that you drain the oil from the component if this has not already been done.		
Resample			?	We recommend an early resample to monitor this condition.		
Check Dirt Access			?	We advise that you check all areas where dirt can enter the system.		

HISTORICAL DIAGNOSIS

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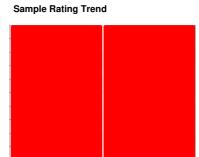


We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The condition of the oil is acceptable for the time in service.





OIL ANALYSIS REPORT







Machine Id JOHN DEERE 323E 1T0323EACHJ308005 **Left Final Drive**

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





DIAGNOSIS

Recommendation

We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

Wear

Gear wear is indicated. The very high ferrous density (PQ) index indicates that severe wear is occurring.

Contamination

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

Fluid Condition

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

W90 (GAL)			Nov2019	Mar2024		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		JR0199612	JR0032910	
Sample Date		Client Info		27 Mar 2024	20 Nov 2019	
Machine Age	hrs	Client Info		2586	885	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		N/A	Changed	
Sample Status				SEVERE	SEVERE	
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>0.075	NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184	>1250	11151	234	
Iron	ppm	ASTM D5185m	>750	22503	▲ 1823	
Chromium	ppm	ASTM D5185m	>9	197	2 5	
Nickel	ppm	ASTM D5185m	>10	119	△ 12	
Titanium	ppm	ASTM D5185m		100	8	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>40	1124	85	
Lead	ppm	ASTM D5185m	>15	3	<1	
Copper	ppm	ASTM D5185m	>40	36	3	
Tin	ppm	ASTM D5185m	>10	0	0	
Antimony	ppm	ASTM D5185m	>5		0	
Vanadium	ppm	ASTM D5185m		9	2	
Cadmium	ppm	ASTM D5185m		1	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		82	43	
Barium	ppm	ASTM D5185m		12	34	
Molybdenum	ppm	ASTM D5185m		36	0	
Manganese	ppm	ASTM D5185m		177	20	
Magnesium	ppm	ASTM D5185m		135	28	
Calcium	ppm	ASTM D5185m		371	46	
Phosphorus	ppm	ASTM D5185m		346	634	
Zinc	ppm	ASTM D5185m		38	36	
Sulfur	ppm	ASTM D5185m		27407	27206	
CONTAMINANT	S	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	▲ 6360	▲ 365	
Sodium	ppm	ASTM D5185m	>51	116	22	
Potassium	ppm	ASTM D5185m	>20	257	27	



OIL ANALYSIS REPORT

