



WEAR CONTAMINATION FLUID CONDITION

ABNORMAL NORMAL NORMAL



Store 2 - Beaver [RO#130948]

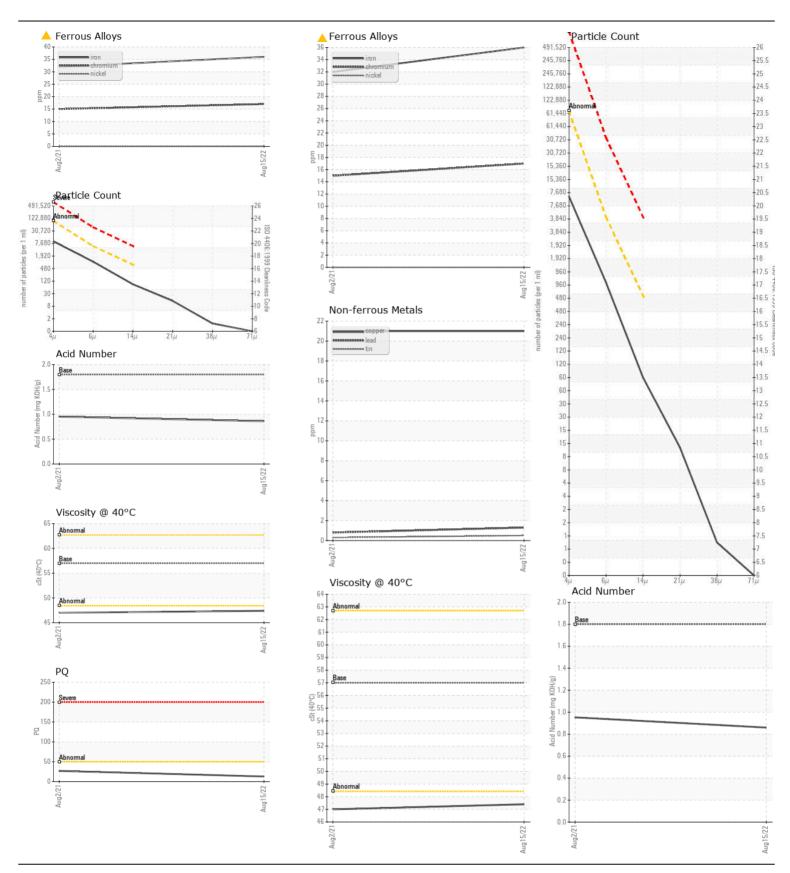
Machine Id

JOHN DEERE 310G T0310GX949926

Component Hydraulic System

JOHN DEERE HY-GARD HYD/TRANS (--- GAL)

Test UoM Method United Current History Estangle United Current History United Un	JOHN DEERE HT-GARD HTD/I	11A113 (C	IAL)					
No corrective action is recommended at this time. Resample at the next service interval to monitor. Sample Det Client Info 2814 2371	RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
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Filter Changed Sample Status Sample Stat		Filter Age	hrs	Client Info		243	600	
Name		Oil Changed		Client Info		Not Changd	Not Changd	
PQ		Filter Changed		Client Info		Changed	Changed	
The chromium level is abnormal. All other component wear rates are normal. If chromium pm		Sample Status				ABNORMAL	ABNORMAL	
The chromium level is abnormal. All other component wear rates are normal. If chromium pm	WEAR	PΩ		ASTM D8184	>50	13	27	
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Vanadium Ppm ASTM D5185m O O								
White Metal Yellow Metal Scalar *Visual NONE NONE								
Yellow Metal Scalar *Visual NONE NON					NONE	NONE	NONE	
Potassium ppm ASTM D5185m > 20		Yellow Metal			NONE			
Potassium ppm ASTM D5185m > 20								
Water Wc Method So.075 NEG NEG So.72 So.000 So.546 So.72 So.72 So.000	There is no indication of any contamination in the oil. The amount and	Silicon	ppm	ASTM D5185m	>24	16	16	
Size of particulates present in the system are acceptable. Particles > 4µm		Potassium	ppm	ASTM D5185m	>20	<1	3	
Particles > 6jum		Water		WC Method	>0.075	NEG	NEG	
Particles >14 \(\mu \) ASTM D7647 >640 75 11				ASTM D7647	>80000			
Particles > 21µm								
Particles >38µm ASTM D7647 >40 1 0								
Particles > 71 \(\mu\)								
Oil Cleanliness ISO 4406 (c) >23/19/16 20/17/13 20/14/11								
Silt scalar *Visual NONE NORML								
Debris Scalar *Visual NONE NORML N								
Sand/Dirt Scalar *Visual NONE NONE Appearance Scalar *Visual NORML								
Appearance								
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Emulsified Water scalar *Visual >0.075 NEG NEG								
Sodium ppm ASTM D5185m >21 2 4								
Boron ppm ASTM D5185m 6 65 63	<u></u>	Linuisilieu water	Scalai	Visuai	>0.075	NEG	INLG	
Boron ppm ASTM D5185m 6 65 63	FLUID CONDITION	Sodium	ppm	ASTM D5185m	>21	2	4	
additive package is suitable for further service. Molybdenum ppm ASTM D5185m 0 10 11 Manganese ppm ASTM D5185m 145 89 83 Calcium ppm ASTM D5185m 145 89 83 Calcium ppm ASTM D5185m 1290 691 687 Zinc ppm ASTM D5185m 1640 871 828 Sulfur ppm ASTM D5185m 2627 2258 Acid Number (AN) mg KOH/g ASTM D8045 1.8 0.86 0.953		Boron	ppm	ASTM D5185m	6	65	63	
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Sulfur ppm ASTM D5185m 2627 2258 Acid Number (AN) mg KOH/g ASTM D8045 1.8 0.86 0.953		Phosphorus	ppm	ASTM D5185m	1290		687	
Acid Number (AN) mg KOH/g ASTM D8045 1.8 0.86 0.953			ppm	ASTM D5185m	1640	871	828	
			ppm					
Visc @ 40°C cSt ASTM D445 57.0 47.4 47.0		Visc @ 40°C	cSt	ASTM D445	57.0	47.4	47.0	





Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No.

: LEC0032512 Lab Number : 05619432 Unique Number : 10098939

Received : 17 Aug 2022 **Tested** Diagnosed

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

: 18 Aug 2022 : 18 Aug 2022 - Jonathan Hester

Test Package : CONST (Additional Tests: PQ)

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

To discuss this sample report, contact Customer Service at 1-800-237-1369.

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