WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL NORMAL

[05W44116]

JOHN DEERE 160G C233358 (S/N 1FF160GXTLF058109)

Right Final Drive

JOHN DEERE GL-5 80W90 (8 QTS)

Test	JOHN DEERE GL-5 80W90 (8 QTS)							
Sample Date Client Info 4830 1909 1908 1908 1909	RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Date Machine Age Inst Client Info 4830 1909	Resample at the next service interval to monitor.	Sample Number		Client Info		JR0195693	JR0123244	
Dil Age hrs Client Info 0 0 0 0 0 0 0 0 0		Sample Date		Client Info		08 Jan 2024	23 Apr 2022	
Filter Age		Machine Age	hrs	Client Info		4830	1909	
		Oil Age	hrs	Client Info		4830	1909	
Filter Changed Collent Info NA NORMAL NO		Filter Age	hrs	Client Info		0	0	
Normal N		Oil Changed		Client Info		Not Changd	Not Changd	
PQ		Filter Changed		Client Info		N/A	N/A	
Iron		Sample Status				NORMAL	NORMAL	
Iron	WEAR	PO		ASTM D8184	>1250	54	84	
Chromium ppm ASTM DS188m >9 <1 2 Nickel ppm ASTM DS188m >10 0 <1 Titanium ppm ASTM DS188m >10 0 <1 Silver ppm ASTM DS188m >10 0 <1 Aluminum ppm ASTM DS188m >10 0 <1 Copper ppm ASTM DS188m >10 0 <1 Tin ppm ASTM DS188m >10 0 <1 Tin ppm ASTM DS188m >10 0 <1 <1 Tin ppm ASTM DS188m >10 0 0 White Metal scalar "Visual NONE NONE NONE NONE Vanadium ppm ASTM DS188m >20 <1 2 Tin Potassium ppm ASTM DS188m >20 <1 2 Water Workhood >0.075 NEG NEG Silt scalar "Visual NONE NONE NONE NONE Sand/Dri scalar "Visual NONE NONE NONE Appearance Scalar "Visual NONE NONE NONE Appearance Scalar "Visual NONE NONE NONE Appearance Scalar "Visual NONE NORE NORE Appearance Scalar "Visual NORM NORM NORM NORM Appearance Scalar "Visual NORM NORM Appearance Scalar "V			nnm					
Nickel ppm ASTM 05185m >10	All component wear rates are normal.							
Titanium								
Silver ppm ASTM D5185m 0 <1					710			
Aluminum ppm ASTM D5185m >40 0 <1								
Lead					>40			
Copper								
Tin								
Vanadium ppm ASTM D5185m 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				ASTM D5185m	>10	<1	<1	
Yellow Metal Scalar *Visual NONE NON		Vanadium				0	0	
Silicon ppm ASTM D5185m >75 7 14		White Metal	scalar	*Visual	NONE	NONE	NONE	
Potassium ppm ASTM D5185m >20 <1 2		Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Potassium ppm ASTM D5185m >20 <1 2	CONTAMINATION					_		
Water WC Method >0.075 NEG NEG	CONTAMINATION							
Silt scalar *Visual NONE NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE NONE NONE NONE Sand/Dirt scalar *Visual NONE NORML NOR	There is no indication of any contamination in the oil.		ppm					
Debris Scalar *Visual NONE NONE NONE NONE Sand/Dirt Scalar *Visual NONE NORML NORML								
Sand/Dirt scalar *Visual NONE NORML NO								
Appearance Scalar *Visual NORML NORM								
Display								
Emulsified Water scalar *Visual >0.075 NEG NEG								
Sodium ppm ASTM D5185m >51 <1 <-1								
Boron ppm ASTM D5185m 12 65								
Barium ppm ASTM D5185m 0	FLUID CONDITION	Sodium	ppm	ASTM D5185m	>51	<1	<1	
Molybdenum ppm ASTM D5185m 0 <1	The condition of the oil is acceptable for the time in service.		ppm			12	65	
Manganese ppm ASTM D5185m 4 4 Magnesium ppm ASTM D5185m 2 2 Calcium ppm ASTM D5185m 15 14 Phosphorus ppm ASTM D5185m 305 545 Zinc ppm ASTM D5185m 1 20			ppm				1	
Magnesium ppm ASTM D5185m 2 2 Calcium ppm ASTM D5185m 15 14 Phosphorus ppm ASTM D5185m 305 545 Zinc ppm ASTM D5185m 1 20		-	ppm					
Calcium ppm ASTM D5185m 15 14 Phosphorus ppm ASTM D5185m 305 545 Zinc ppm ASTM D5185m 1 20		ŭ .						
Phosphorus ppm ASTM D5185m 305 545 Zinc ppm ASTM D5185m 1 20		-						
Zinc ppm ASTM D5185m 1 20								
··								
Sulfur ppm ASTM D5185m 17335 13321								
Visc @ 40°C cSt ASTM D445 187		Visc @ 40°C	cSt	ASTM D445		145	187	







Certificate L2367

Unique Number

Laboratory Sample No. Lab Number

: 10821997

: JR0195693 : 06056048

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved

Diagnosed Test Package : CONST (Additional Tests: PQ)

: 09 Jan 2024 : 10 Jan 2024 Diagnostician : Don Baldridge

24024 FREDERICK RD CLARKSBURG, MD US 20871 Contact: HERBIE TRENT

C & D RECOVERY

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)

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F: