



WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL ABNORMAL

Area

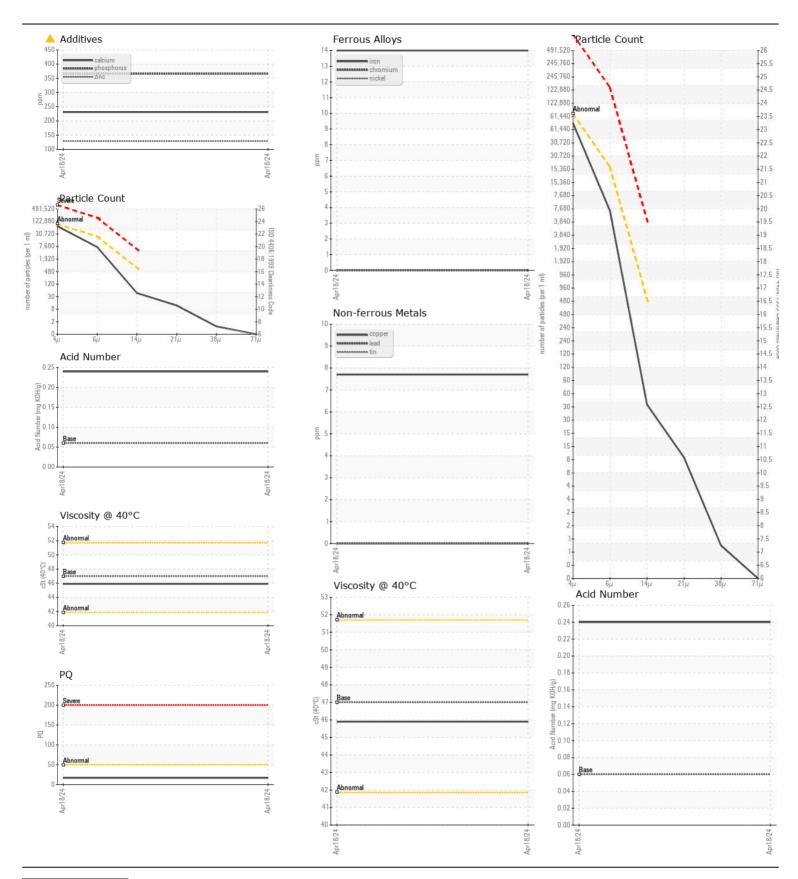
Store 3 - Norton

## JOHN DEERE 85G 1FF085GXALJ021731

Hydraulic System

HITACHI HYDRAULIC SUPER EX 46HN (27 GAL)

Test Sample Number Sample Date	UOM	Method Client Info	Limit/Abn	Current	History1	History2
Sample Date		Client Info		1 000040007		
				LEC0048207		
		Client Info		18 Apr 2024		
Machine Age	hrs	Client Info		541		
Oil Age	hrs	Client Info		541		
Filter Age	hrs	Client Info		541		
Oil Changed		Client Info		Not Changd		
Filter Changed		Client Info		Not Changd		
Sample Status				ABNORMAL		
PO		V61W D010V	<u> </u>	17		
	nnm					
			>5			
			. 0			
	• • • • • • • • • • • • • • • • • • • •					
			>5			
			NONE			
		· · · · · · · · · · · · · · · · · · ·		·····		
Silicon	ppm	ASTM D5185m	>11	3		
Potassium	ppm	ASTM D5185m	>20	<1		
Water		WC Method	>0.075	NEG		
Particles >4μm		ASTM D7647	>80000	62799		
Particles >6µm		ASTM D7647	>20000	6344		
Particles >14μm		ASTM D7647	>640	40		
Particles >21µm		ASTM D7647	>160	10		
Particles >38µm		ASTM D7647	>40	1		
				0		
		. ,		23/20/12		
	scalar					
Debris	scalar	*Visual				
	scalar					
	scalar					
Emulsified Water	scalar	*Visual	>0.075	NEG		
Sodium	mag	ASTM D5185m	>21	1		
Boron						
				0		
•		ASTM D5185m				
_						
Calcium		ASTM D5185m				
			827			
Zinc	ppm			<u>▲</u> 129		
	ppm	ASTM D5185m		1512		
Sullui	PPIII	AO HVI DO TOOTH				
Sulfur Acid Number (AN)	mg KOH/g		0.06	0.24		
	Filter Changed Sample Status  PQ Iron Chromium Nickel Titanium Silver Aluminum Lead Copper Tin Vanadium White Metal Yellow Metal Silicon Potassium Water Particles >4µm Particles >6µm Particles >21µm Particles >38µm Particles >71µm Oil Cleanliness Silt Debris Sand/Dirt Appearance Odor Emulsified Water  Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	Filter Changed Sample Status  PQ Iron ppm Chromium ppm Nickel ppm Titanium ppm Silver ppm Aluminum ppm Lead ppm Copper ppm Tin ppm White Metal scalar Yellow Metal scalar Silicon ppm Potassium ppm Water Particles >4µm Particles >50µm Particles >71µm Oil Cleanliness Silt scalar Sand/Dirt scalar Sand/Dirt scalar Appearance scalar Emulsified Water Sodium ppm Boron ppm Manganese ppm Magnesium ppm Manganese ppm Magnesium ppm Calcium ppm Popm Portosphorus Ppm Popm Manganese ppm Magnesium ppm Calcium ppm Popm Phosphorus	Filter Changed Sample Status  PQ ASTM D8184  Iron ppm ASTM D5185m Chromium ppm ASTM D5185m Nickel ppm ASTM D5185m Titanium ppm ASTM D5185m Silver ppm ASTM D5185m Aluminum ppm ASTM D5185m Copper ppm ASTM D5185m Vanadium ppm ASTM D5185m White Metal scalar *Visual Yellow Metal scalar *Visual  Silicon ppm ASTM D5185m Water WC Method Particles >4µm ASTM D7647 Particles >21µm ASTM D7647 Particles >38µm ASTM D7647 Particles >71µm ASTM D7647 Particles >71µm ASTM D7647 Particles >38µm ASTM D7647 Particles >38µm ASTM D7647 Particles >38µm ASTM D7647 Particles >38µm ASTM D7647 Particles >6µm ASTM D7647 Particles >6µm ASTM D7647 Particles >1µm ASTM D7647 Particles >1µm ASTM D7647 Particles >21µm ASTM D7647 Particles >21µm ASTM D7647 Particles >21µm ASTM D7647 Particles >38µm ASTM D7647 Particles >21µm ASTM D5185m Boron ppm ASTM D5185m Magnesium ppm ASTM D5185m Magnesium ppm ASTM D5185m Phosphorus ppm ASTM D5185m Phosphorus ppm ASTM D5185m	Filter Changed Sample Status         Client Info           PQ         ASTM D8184         >50           Iron         ppm         ASTM D5185m         >32           Chromium         ppm         ASTM D5185m         >9           Nickel         ppm         ASTM D5185m         >5           Titanium         ppm         ASTM D5185m         >5           Aluminum         ppm         ASTM D5185m         >9           Lead         ppm         ASTM D5185m         >9           Lead         ppm         ASTM D5185m         >28           Copper         ppm         ASTM D5185m         >50           Tin         ppm         ASTM D5185m         >50           Vanadium         ppm         ASTM D5185m         >5           Vanadium         ppm         ASTM D5185m         >20           Valow Metal	Pilter Changed Sample Status	Filter Changed Sample Status





Certificate L2367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : LEC0048207 Lab Number : 06155785 Unique Number: 10991208

Received **Tested** 

: 22 Apr 2024 : 23 Apr 2024 Diagnosed Test Package : CONST ( Additional Tests: PQ )

: 24 Apr 2024 - Don Baldridge

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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Submitted By: STORE 3 - NORTON - BRIAN YOUTZY