



WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL NORMAL

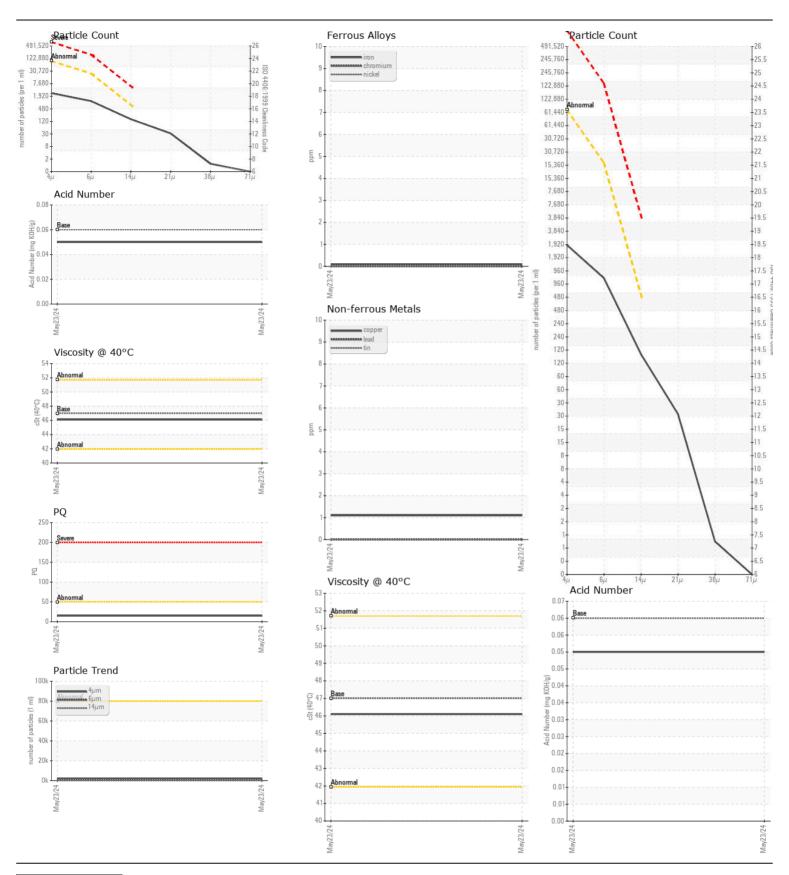


Store 6 - Ashland [151103] JOHN DEERE 135P 1FF135PACPF000832

Hydraulic System

HITACHI HYDRAULIC SUPER EX 46HN (33 GAL)

Test	HITACHI HYDRAULIC SUPER E	X 46HN (33	GAL) 				
Resample at the next service interval to monitor.	RECOMMENDATION	Test	HOM	Method	Limit/Ahn	Current	History1	History2
Sample Date Machine Age hrs Client Info S30	HEOOMMENDATION				21111071011		,	
Machine Age hrs Client Info S30 Ol I Age hrs Client Info S30 Filter Age hrs Client Info S30 Filter Age hrs Client Info S30 Ol Changed Client Info S30 Ol Changed Client Info S30 Ol Changed Client Info S30 Not Changed Client Info S30 Client Info S30 Not Changed Client Info S30 Client Info S30 Not Changed Client Info S30 S31	Resample at the next service interval to monitor.							
Oil Age hrs Client Info S30			hrs			-		
Filter Age		Oil Age	hrs					
Oil Changed Cilent Info Not Changed Sample Status Not Changed Not Changed		_	hrs	Client Info				
Net				Client Info		Not Changd		
PQ		Filter Changed		Client Info		Not Changd		
All component wear rates are normal. Iton		Sample Status				NORMAL		
All component wear rates are normal. Iton	WEAR	PO		ACTM DO104	. 50	15		
All component wear rates are normal. Chromium ppm ASTM D6185m 55 0 Titanium ppm ASTM D6185m 50 0 Titanium ppm ASTM D6185m 50 0 Alluminum ppm ASTM D6185m 50 0 Lead ppm ASTM D6185m 50 0 Lead ppm ASTM D6185m 50 1 Copper ppm ASTM D6185m 50 1 Tin ppm ASTM D6185m 50 1 Tin ppm ASTM D6185m 50 1 Vanadium ppm ASTM D6185m 50 1 Valve Velow Metal value val	WEAR		nnm					
Nickel ppm ASTM 05185m 55 0	All component wear rates are normal.							
Titanium ppm ASTM D5185m 0								
Silver ppm ASTM D5185m > 9 0					70			
Aluminum ppm ASTM D5188m >9 0						-		
Lead					>9	-		
Copper						-		
Tin								
Vanadium ppm ASTM D5185m NONE NONE White Metal Scalar Visual NONE NONE White Metal Value White Metal Value None White Metal Value None White Metal Value None White Metal Value Value								
White Metal Scalar Visual NONE NON		Vanadium				0		
Silicon ppm ASTM D5185m >11 1		White Metal		*Visual	NONE	NONE		
Potassium ppm ASTM D5185m >20 <1 NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG NEG		Yellow Metal	scalar	*Visual	NONE	NONE		
Potassium ppm ASTM D5185m 20 <1 Water WC Method >0.075 NEG Particles >4µm ASTM D7647 >800000 2333 Particles >6µm ASTM D7647 >200000 981 Particles >14µm ASTM D7647 >640 134 Particles >14µm ASTM D7647 >640 1 Particles >14µm ASTM D7647 >10 0 0 Particles >14µm ASTM D7647 >10 0 Particles >14µm ASTM D7647 >10 0 Particles >14µm ASTM D7647 >10 0 Particles >14µm ASTM D7647 >10 0 Particles >14µm ASTM D7647 >10 0 Particles >14µm ASTM D7647 >10 0 Particles >14µm ASTM D7647 >10 0 Particles >14µm ASTM D7647 >10 0 Particles >14µm ASTM D7647 >10 0 Particles >14µm ASTM D7647 >10 0 Particles >14µm ASTM D7647 >10 0 Particles >14µm ASTM D7647 >10 0 Particles >14µm ASTM D7647 >10 0 Particles >14µm ASTM D7647 >10 0 Particles >14µm ASTM D7647 >10 0 Particles >14µm ASTM D7647 >10 0 Particles >14µm ASTM D7647 >10 0 Particles >14µm ASTM D7647 >10 0 Particles >14µm ASTM D7647 >10 0 Particles >14µm ASTM D7647 >10 0 1 Particles >14µm ASTM D7647 >10 0 1 Particles >14µm ASTM D7647 >10 0 1 Particles >14µm ASTM D7647 >10	CONTABINATION	0:1:		AOTM DEADE				
Water WC Method >0.075 NEG	CONTAMINATION							
Particles >4µm	The amount and size of particulates present in the system are		ppm					
Particles >6µm ASTM D7647 >20000 981 ···· ··· Particles >14µm ASTM D7647 >640 134 ··· ··· Particles >21µm ASTM D7647 >640 134 ··· ··· Particles >38µm ASTM D7647 >40 1 ··· ··· Particles >71µm ASTM D7647 >40 1 ··· ··· Particles >71µm ASTM D7647 >40 1 ··· ··· Particles >71µm ASTM D7647 >40 0 1 ··· ··· Particles >71µm ASTM D7647 >40 0 1 ··· ··· Particles >71µm ASTM D7647 >40 0 1 ··· ··· Particles >71µm ASTM D7647 >40 0 1 ··· ··· Particles >71µm ASTM D7647 >40 0 1 ··· ··· Particles >71µm ASTM D7647 >40 0 1 ··· ··· Particles >71µm ASTM D7647 >40 0 1 ··· ··· Particles >71µm ASTM D7647 >40 0 1 ··· ··· Particles >71µm ASTM D7647 >40 1 ··· ··· Particles >12µm ASTM D7647 >40 1 ··· ··· Particles >12µm AS								
Particles >14µm								
Particles > 21 µm								
Particles > 38 \(\mu\) ASTM D7647 > 40 1 Particles > 71 \(\mu\) ASTM D7647 > 10 0 Oil Cleanliness ISO 4406 (c) 2321/16 18/17/14 Silt scalar *Visual NONE NONE NONE Debris scalar *Visual NONE NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE NONE Appearance scalar *Visual NORML NORML NORML NORML Appearance scalar *Visual NORML NORML NORML NORML Emulsified Water scalar *Visual NORML NORML NORML NORML Emulsified Water scalar *Visual NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML Emulsified Water scalar *Visual NORML NORM								
Particles >71 m		·						
Oil Cleanliness ISO 4406 (c) >23/21/16 18/17/14								
Silt scalar *Visual NONE NONE NONE NONE Sand/Dirt scalar *Visual NONE NORML NOR						18/17/14		
Sand/Dirt scalar *Visual NONE NONE Appearance scalar *Visual NORML		Silt	scalar	. ,		NONE		
Appearance		Debris	scalar	*Visual	NONE	NONE		
Odd		Sand/Dirt	scalar	*Visual	NONE	NONE		
Emulsified Water scalar *Visual >0.075 NEG FLUID CONDITION		Appearance	scalar	*Visual	NORML	NORML		
Sodium ppm ASTM D5185m >21 <1 Boron ppm ASTM D5185m 0 Barium ppm ASTM D5185m 0 Molybdenum ppm ASTM D5185m 0 Manganese ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 0 Calcium ppm ASTM D5185m 827 557 Zinc ppm ASTM D5185m 0 37 Sulfur ppm ASTM D5185m 13 129 Acid Number (AN) mg KOH/g ASTM D8045 0.06 0.05		Odor	scalar	*Visual	NORML	NORML		
Boron ppm ASTM D5185m 0		Emulsified Water	scalar	*Visual	>0.075	NEG		
Boron ppm ASTM D5185m 0	ELUID CONDITION	Sodium	nnm	ASTM D5185m	\21	_1		
Barium ppm ASTM D5185m 0	TEGID CONDITION				/L I			
ACCEPTABLE FOR THE time in service. Molybdenum ppm ASTM D5185m 0 Manganese ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 0 Calcium ppm ASTM D5185m <1 Phosphorus ppm ASTM D5185m 827 557 Zinc ppm ASTM D5185m 0 37 Sulfur ppm ASTM D5185m 13 129 Acid Number (AN) mg KOH/g ASTM D8045 0.06 0.05	·							
Manganese ppm ASTM D5185m <1								
Magnesium ppm ASTM D5185m 0 Calcium ppm ASTM D5185m <1 Phosphorus ppm ASTM D5185m 827 557 Zinc ppm ASTM D5185m 0 37 Sulfur ppm ASTM D5185m 13 129 Acid Number (AN) mg KOH/g ASTM D8045 0.06 0.05		•						
Calcium ppm ASTM D5185m <1		_						
Phosphorus ppm ASTM D5185m 827 557 Zinc ppm ASTM D5185m 0 37 Sulfur ppm ASTM D5185m 13 129 Acid Number (AN) mg KOH/g ASTM D8045 0.06 0.05		0						
Zinc ppm ASTM D5185m 0 37 Sulfur ppm ASTM D5185m 13 129 Acid Number (AN) mg KOH/g ASTM D8045 0.06 0.05					827			
Sulfur ppm ASTM D5185m 13 129 Acid Number (AN) mg KOH/g ASTM D8045 0.06 0.05								
Acid Number (AN) mg KOH/g ASTM D8045 0.06 0.05		Sulfur		ASTM D5185m	13			
		Acid Number (AN)	mg KOH/g					
Visc @ 40°C cSt ASTM D445 47 46.1		Visc @ 40°C	cSt	ASTM D445	47	46.1		





Certificate L2367

Laboratory Sample No. Lab Number

: LEC0044650 : 06192097 Unique Number : 11048849

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received **Tested**

: 28 May 2024 : 29 May 2024 Diagnosed Test Package : CONST (Additional Tests: PQ)

: 30 May 2024 - Angela Borella

Contact: LEANNE KENDALL KendalLeanne@lec1.com

LESLIE EQUIPMENT COMPANY

105 TENNIS CENTER DR.

MARIETTA, OH

US 45750-9765

F: (740)373-5570

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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