



WEAR CONTAMINATION FLUID CONDITION

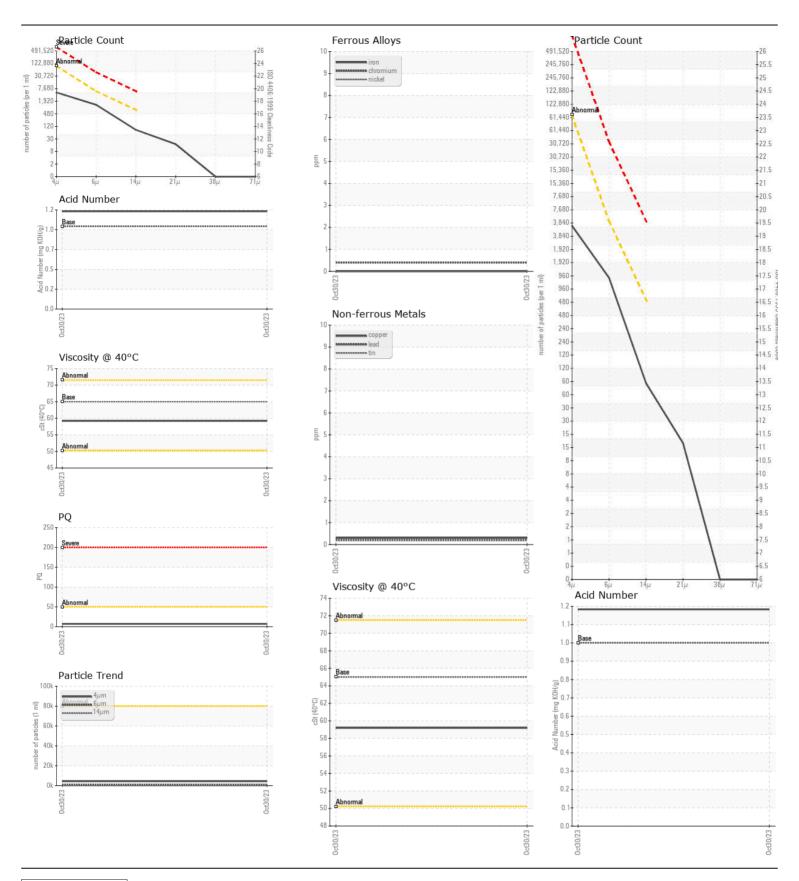
NORMAL NORMAL NORMAL

Store 2 - Beaver [RO#144610]

JOHN DEERE 437E 1T0437EDEPL438581

Component Hydraulic System

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
RECOMMENDATION	Sample Number	UCIVI	Client Info	LIIIIII/ADII	LEC0045679		
Resample at the next service interval to monitor.	Sample Date		Client Info		30 Oct 2023		
	Machine Age	hro	Client Info		430		
	Oil Age	hrs	Client Info		430		
	Filter Age	hrs hrs	Client Info		430		
	•	IIIS					
	Oil Changed Filter Changed		Client Info		Not Changd Not Changd		
	Sample Status		Ciletit IIIIO				
	Sample Status				NORMAL		
VEAR	PQ		ASTM D8184	>50	7		
	Iron	ppm	ASTM D5185m	>71	0		
All component wear rates are normal.	Chromium	ppm	ASTM D5185m		<1		
	Nickel	ppm	ASTM D5185m	>6	0		
	Titanium	ppm	ASTM D5185m		0		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m	>11	0		
	Lead	ppm	ASTM D5185m		<1		
	Copper	ppm	ASTM D5185m		<1		
	Tin	ppm	ASTM D5185m		<1		
	Vanadium	ppm	ASTM D5185m	7 0	0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION The section of the se	Silicon	ppm	ASTM D5185m		1		
	Potassium	ppm	ASTM D5185m	>20	2		
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.	Water		WC Method	>0.075	NEG		
	Particles >4μm		ASTM D7647	>80000	4413		
	Particles >6µm		ASTM D7647	>5000	1133		
	Particles >14μm		ASTM D7647	>640	72		
	Particles >21μm		ASTM D7647	>160	15		
	Particles >38μm		ASTM D7647	>40	0		
	Particles >71μm		ASTM D7647		0		
	Oil Cleanliness		ISO 4406 (c)	>23/19/16	19/17/13		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance	scalar	*Visual	NORML	NORML		
	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water	scalar	*Visual	>0.075	NEG		
LUID CONDITION	0 "		AOTM DE LOE	0.4	_		
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>21	0		
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	Boron	ppm	ASTM D5185m		0		
	Barium	ppm	ASTM D5185m		0		
	Molybdenum	ppm	ASTM D5185m		0		
	Manganese	ppm	ASTM D5185m		<1		
	Magnesium	ppm	ASTM D5185m		2		
	Calcium	ppm	ASTM D5185m		93		
	Phosphorus	ppm	ASTM D5185m		630		
	Zinc	ppm	ASTM D5185m	900	823		
	Sulfur	ppm			1649		
	Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	1.183		
	Visc @ 40°C	cSt	ASTM D445	65	59.2		





Certificate L2367

Laboratory Sample No.

Lab Number : 05997893 Unique Number: 10726253

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : LEC0045679

Received **Tested** Diagnosed Test Package : CONST (Additional Tests: PQ)

: 06 Nov 2023 : 06 Nov 2023 - Wes Davis

: 03 Nov 2023

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.

LESLIE EQUIPMENT COMPANY

105 TENNIS CENTER DR. MARIETTA, OH US 45750-9765 Contact: LEANNE KENDALL

KendalLeanne@lec1.com

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Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (740)373-5570