



WEAR CONTAMINATION FLUID CONDITION

ABNORMAL ATTENTION

Aroa

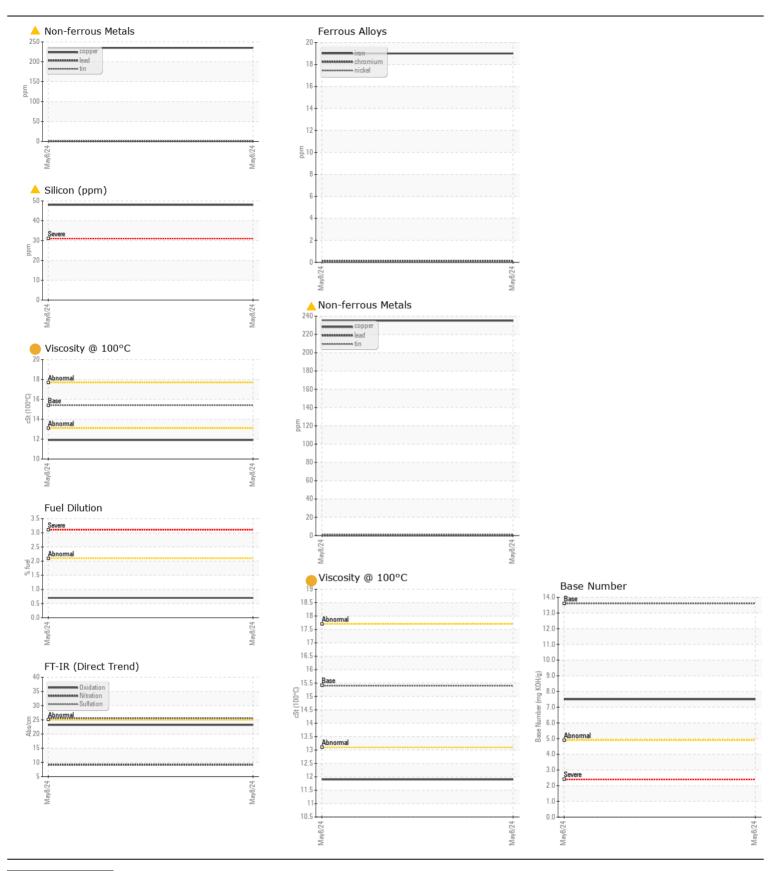
Store 4 - Fairmont [RO# 150714]

JOHN DEERE 331G 1T0331GMKRF459959

Diesel Engine

JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (3 GAL)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0049073		
		Client Info		08 May 2024		
•	hrs			388		
	hrs					
Filter Age	hrs	Client Info		388		
•		Client Info		Changed		
Filter Changed		Client Info		Changed		
Sample Status				ABNORMAL		
Iron	mag	ASTM D5185m	>51	19		
	• •					
			70			
			~3			
			/ 4			
			NONE	-		
				_		
Yellow Metal	scalar	visuai	NONE	NONE		
Silicon	ppm	ASTM D5185m	>!20	4 8		
Potassium	ppm	ASTM D5185m	>20	0		
Fuel	%	ASTM D3524	>2.1	0.7		
Water		WC Method	>0.21	NEG		
Glycol		WC Method		NEG		
Soot %	%	*ASTM D7844	>3	0.2		
Nitration	Abs/cm	*ASTM D7624	>20	9.2		
Sulfation	Abs/.1mm	*ASTM D7415	>30	25.5		
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	>0.21	NEG		
	nnm	ACTM DE19Em	√31	11		
Sodium	ppm	ASTM D5185m	>31	11		
Sodium Boron	ppm	ASTM D5185m	>31	224		
Sodium Boron Barium	ppm ppm	ASTM D5185m ASTM D5185m	>31	224 4		
Sodium Boron Barium Molybdenum	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	>31	224 4 227		
Sodium Boron Barium Molybdenum Manganese	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>31	224 4 227 2	 	
Sodium Boron Barium Molybdenum Manganese Magnesium	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>31	224 4 227 2 686	 	
Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>31	224 4 227 2 686 1737	 	
Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>31	224 4 227 2 686 1737 947	 	
Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>31	224 4 227 2 686 1737 947 1094	 	
Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		224 4 227 2 686 1737 947 1094 3517	 	
Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Oxidation	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *ASTM D7414	>25	224 4 227 2 686 1737 947 1094 3517 23.2	 	
Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>25	224 4 227 2 686 1737 947 1094 3517	 	
	Sample Date Machine Age Oil Age Filter Age Oil Changed Filter Changed Sample Status Iron Chromium Nickel Titanium Silver Aluminum Lead Copper Tin Vanadium White Metal Yellow Metal Yellow Metal Silicon Potassium Fuel Water Glycol Soot % Nitration Sulfation Silt Debris Sand/Dirt Appearance	Sample Date Machine Age hrs Oil Age hrs Filter Age hrs Oil Changed Filter Changed Sample Status Iron ppm Chromium ppm Nickel ppm Titanium ppm Silver ppm Aluminum ppm Lead ppm Copper ppm Tin ppm Vanadium ppm White Metal scalar Yellow Metal scalar Silicon ppm Potassium ppm Fuel % Water Glycol Soot % % Nitration Abs/.mm Silt scalar Sand/Dirt scalar Appearance scalar	Sample Date Machine Age Mrs Client Info Oil Age hrs Client Info Client Info Oil Age hrs Client Info Sample Status Iron ppm ASTM D5185m Chromium ppm ASTM D5185m Nickel ppm ASTM D5185m Titanium ppm ASTM D5185m Aluminum ppm ASTM D5185m Copper ppm ASTM D5185m Copper ppm ASTM D5185m Vanadium Vanadium ppm ASTM D5185m Vanadium Vanadium ppm ASTM D5185m Vanadium Visual Visual Abs/cm Vanadium Vanadium Visual Vanadium Vanadium Visual	Sample Date Machine Age Ins Oil Age Ins Oil Age Ins Oil Client Info Oil Changed Filter Age Oil Changed Filter Changed Sample Status Iron Opm ASTM D5185m Silver Oppm ASTM D5185m Vanadium Oppm ASTM D5185m Vanadium Oppm ASTM D5185m Vone Vanadium Oppm ASTM D5185m Silver Oppm ASTM D5185m Oppm ASTM D5185m Oppm ASTM D5185m Oppm Oppm Oppm ASTM D5185m Oppm Oppm Oppm ASTM D5185m Oppm Oppm Oppm Oppm Oppm Oppm Oppm Op	Sample Date Client Info 08 May 2024 Machine Age hrs Client Info 388 Oil Age hrs Client Info 388 Filter Age hrs Client Info 388 Oil Changed Client Info Changed Filter Changed Client Info Changed Sample Status ASTM D5185m Changed Iron ppm ASTM D5185m >51 19 Chromium ppm ASTM D5185m >51 19 Chromium ppm ASTM D5185m >5 0 Titanium ppm ASTM D5185m >5 0 Silver ppm ASTM D5185m >3 <1	Sample Date Client Info 08 May 2024 Machine Age hrs Client Info 388 Oil Age hrs Client Info 388 Filter Age hrs Client Info Changed Oil Changed Client Info Changed Filter Changed Client Info Changed Sample Status Client Info Changed Iron ppm ASTM D5185m Iron ppm ASTM D5185m Chromium ppm ASTM D5185m > Nickel ppm ASTM D5185m > Nickel ppm ASTM D5185m > Silver ppm ASTM D5185m > Aluminum ppm ASTM D5185m > Lead ppm ASTM D5185m > Copper







Certificate L2367

Laboratory

Sample No.

Lab Number : 06178468 Unique Number : 11029794

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : LEC0049073

Tested Diagnosed Test Package: CONST (Additional Tests: FuelDilution, PercentFuel, TBN)

Received : 14 May 2024 : 16 May 2024

: 16 May 2024 - Sean Felton

Contact: LEANNE KENDALL KendalLeanne@lec1.com T:

105 TENNIS CENTER DR.

MARIETTA, OH US 45750-9765

LESLIE EQUIPMENT COMPANY

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)

F: (740)373-5570