



WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL NORMAL

Area

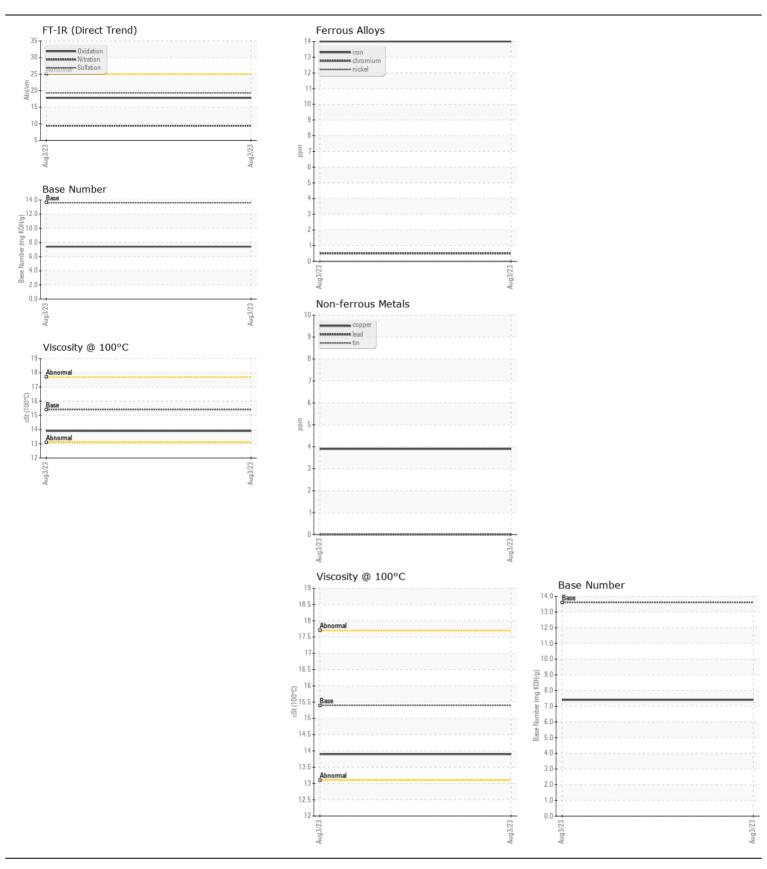
Store 4 - Fairmont

JLG 1255 0160052187 Component

Diesel Engine

JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (14 QTS)

Machine Age hrs Client Info 4007	JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (14 QTS)				.,		
Resample at the next service interval to monitor: Sample Number Sample Date Client Info Changed Client Info Chan	RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Date								
Machine Age hrs Client Info 4007	Resample at the next service interval to monitor.							
Oil Ape hrs Clent Info 500			hrs			_		
Filter Age		Oil Age	hrs	Client Info		4007		
Oil Changed Cilent Info Cilent				Client Info				
Filter Changed Calient Info Changed NORMAL		_				Changed		
NCRMA		_				_		
Iron		_				_		
Chromium ppm ASTM D588m >20 <1 Titanium ppm ASTM D588m >4 0 0 Titanium ppm ASTM D588m >4 0 0 Titanium ppm ASTM D588m >20 1 ASTM D588m >20 1 ASTM D588m >20 1 ASTM D588m >20 1 Lead ppm ASTM D588m >20 1 Lead ppm ASTM D588m >20 1 Copper ppm ASTM D588m >20 1 Tin ppm ASTM D588m >20 1 Vanadium ppm ASTM D588m >15 0 Vanadium ppm ASTM D588m >15 0 Valued ppm ASTM D588m >10 0 Visual NONE Visual NONE Visual NONE Valuer WC Method >5 <1.0 Water WC Method >0 2 NEG Sulfation Abzimm Visual NONE NONE Sulfation Abzimm Visual NONE NONE Sand(Dirt salar Visual NONE NONE ASTM D588m >20 3 Water WC Method >0 2 NEG Sulfation Abzimm None None Appearance scalar Visual NONE Appearance scalar Visual NONE								
Nicke	WEAR	Iron	ppm	ASTM D5185m	>100	14		
Titanium ppm ASTM D5185m < 1	All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>20	<1		
Silver ppm ASTM D5185m >20 1		Nickel	ppm	ASTM D5185m	>4	0		
Aluminum ppm ASTM D5185m >20 1		Titanium	ppm	ASTM D5185m		<1		
Lead ppm ASTM D5185m 3-40 0		Silver	ppm	ASTM D5185m	>3	0		
Copper		Aluminum	ppm	ASTM D5185m	>20	1		
Tin		Lead	ppm	ASTM D5185m	>40	0		
Vanadium Vanadium		Copper	ppm	ASTM D5185m	>330	4		
White Metal Yellow Metal Scalar *Visual NONE NONE NONE NONE Yellow Metal Scalar *Visual NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE		Tin	ppm	ASTM D5185m	>15	0		
Silicon ppm ASTM D5185m > 120 3		Vanadium	ppm	ASTM D5185m		<1		
Silicon ppm ASTM D5185m >120 3		White Metal	scalar	*Visual	NONE	NONE		
Potassium ppm ASTM D5185m 20 3		Yellow Metal	scalar	*Visual	NONE	NONE		
Potassium ppm ASTM D5185m 20 3								
Fuel WC Method >5 <1.0	CONTAMINATION		ppm					
Water	There is no indication of any contamination in the oil.		ppm					
Glycol								
Soot %					>0.2			
Nitration						NEG		
Sulfation Abs/.1mm *ASTM D7415 >30 19.3			%					
Silt scalar *Visual NONE NONE NONE Sand/Dirt scalar *Visual NORML NORM								
Debris Scalar *Visual NONE NONE Sand/Dirt Scalar *Visual NONE NONE Sand/Dirt Scalar *Visual NONE NONE NONE Sand/Dirt Scalar *Visual NORML NO								
Sand/Dirt Scalar *Visual NONE NONE Appearance Scalar *Visual NORML NORM								
Appearance Scalar Visual NORML NORML								
Oddr Scalar *Visual NORML NORML NORML Emulsified Water Scalar *Visual >0.2 NEG NEG		Sand/Dirt	scalar					
Emulsified Water scalar *Visual >0.2 NEG								
Sodium ppm ASTM D5185m 2				*Visual				
Boron ppm ASTM D5185m D5		Emulsified Water	scalar	*Visual	>0.2	NEG		
Boron ppm ASTM D5185m D5	ELUID CONDITION	Sodium	nnm	ASTM DE19Em		9		
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service. Barium ppm ASTM D5185m 43 Molybdenum ppm ASTM D5185m 43 Manganese ppm ASTM D5185m 749 Calcium ppm ASTM D5185m 1421 Phosphorus ppm ASTM D5185m 728 Zinc ppm ASTM D5185m 980 Sulfur ppm ASTM D5185m 3008 Oxidation Abs/.1mm *ASTM D7414 >25 17.8 Base Number (BN) mg KOH/g ASTM D2896 13.6 7.4	T LOID CONDITION							
Molybdenum ppm ASTM D5185m 43 Magnesium ppm ASTM D5185m 749 Calcium ppm ASTM D5185m 749 Phosphorus ppm ASTM D5185m 728 Zinc ppm ASTM D5185m 980 Sulfur ppm ASTM D5185m 3008 Oxidation Abs/.1mm *ASTM D7414 >25 17.8 Base Number (BN) mg KOH/g ASTM D2896 13.6 7.4	The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.							
Manganese ppm ASTM D5185m <1								
Magnesium ppm ASTM D5185m 749 Calcium ppm ASTM D5185m 1421 Phosphorus ppm ASTM D5185m 728 Zinc ppm ASTM D5185m 980 Sulfur ppm ASTM D5185m 3008 Oxidation Abs/.1mm *ASTM D7414 >25 17.8 Base Number (BN) mg KOH/g ASTM D2896 13.6 7.4		-						
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Phosphorus ppm ASTM D5185m 728 Zinc ppm ASTM D5185m 980 Sulfur ppm ASTM D5185m 3008 Oxidation Abs/.1mm *ASTM D7414 >25 17.8 Base Number (BN) mg KOH/g ASTM D2896 13.6 7.4		9						
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Base Number (BN) mg KOH/g ASTM D2896 13.6 7.4					- OF			
VISC @ 100°C CSL ASTM D445 15.4 13.9								
		visc @ 100°C	001	MO 1 IVI D445	15.4	13.9		







Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No.

Lab Number : 05920987

Unique Number : 10592901 Test Package : CONST (Additional Tests: TBN)

Received : LEC0043722 **Tested**

Diagnosed

: 11 Aug 2023

: 10 Aug 2023

: 11 Aug 2023 - Jonathan Hester

Contact: LEANNE KENDALL KendalLeanne@lec1.com T:

LESLIE EQUIPMENT COMPANY

105 TENNIS CENTER DR.

MARIETTA, OH

US 45750-9765

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