

**WEAR CONTAMINATION FLUID CONDITION** 

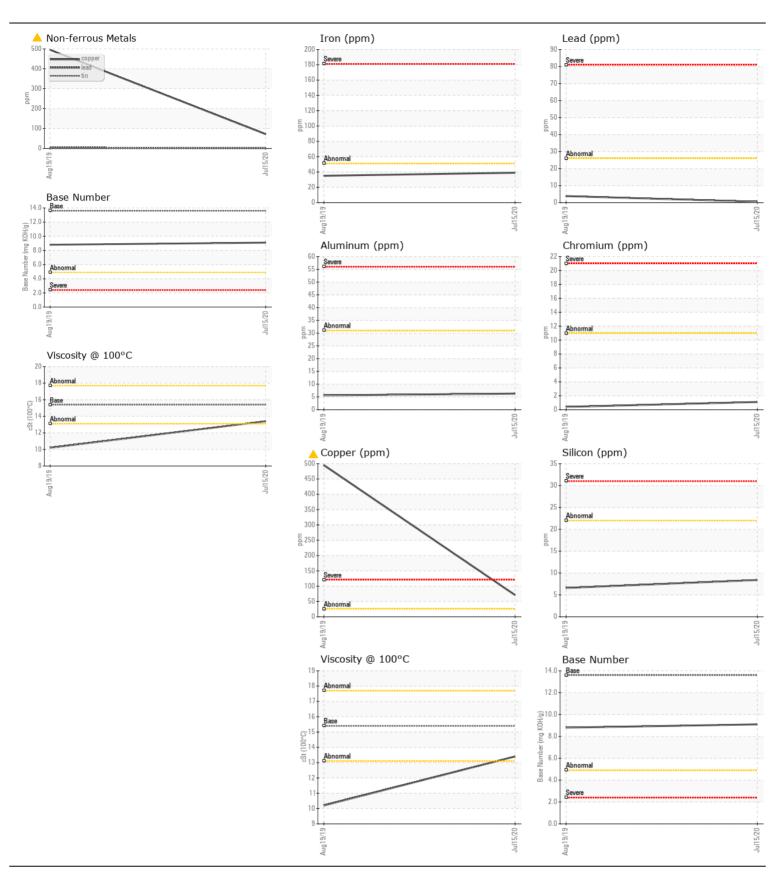
**MARGINAL NORMAL NORMAL** 

**Store 9 - Marietta** 

## **JOHN DEERE 260E 1DW260ETPJF693439**

Component Diesel Engine

Test	UOM	Method	Limit/Abn	Current	History1	History2
	OOW		LIIII07 (OII			
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	hrs					
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Iron	ppm	ASTM D5185m	>51	39	35	
Chromium	ppm	ASTM D5185m	>11	1	<1	
Nickel	ppm	ASTM D5185m	>5	7	9	
Titanium	ppm	ASTM D5185m		<1	0	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>31	6	6	
Lead	ppm	ASTM D5185m	>26	<1	4	
Copper	ppm	ASTM D5185m	>26	<u> </u>	<u>495</u>	
Tin	ppm	ASTM D5185m	>4	0	0	
Vanadium	ppm	ASTM D5185m		0	0	
White Metal	scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Silicon	ppm	ASTM D5185m	>22	8	7	
Potassium	ppm	ASTM D5185m	>20	8	12	
Fuel		WC Method	>2.1	<1.0	<1.0	
Water			>0.21	NEG	NEG	
Glycol		WC Method		NEG	NEG	
Soot %	%	*ASTM D7844	>3	0.3	0.2	
Nitration	Abs/cm	*ASTM D7624	>20	8.5	8.1	
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.6	21.2	
Silt	scalar	*Visual	NONE	NONE	NONE	
Debris	scalar	*Visual	NONE	NONE	NONE	
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Appearance	scalar	*Visual	NORML	NORML	NORML	
Odor	scalar	*Visual	NORML	NORML	NORML	
<b>Emulsified Water</b>	scalar	*Visual	>0.21	NEG	NEG	
			>31			
	• •					
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	ppm					
Zinc	ppm	ASTM D5185m		1054	1097	
	ppm					
Outdetter	Abs/.1mm	*ASTM D7414	<b>\25</b>	14.8	16.2	
Oxidation Base Number (BN)				9.1	8.8	
	Sample Number 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 Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	Sample Number 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 Yellow Metal scalar Silicon ppm Potassium ppm Fuel Water Glycol Soot % % Nitration Abs/cm Sulfation Abs/.1mm Silt scalar Sand/Dirt scalar Appearance scalar Codor scalar Emulsified Water scalar Sodium ppm Boron ppm Boron ppm Manganese ppm Magnesium ppm Calcium ppm Phosphorus ppm Zinc ppm Sulfur ppm Sulfur ppm Sulfur ppm	Sample Number Sample Date Machine Age Oil Age hrs Client Info Sample Status  Iron ppm ASTM D5185m Chromium ppm ASTM D5185m Nickel ppm ASTM D5185m Nickel ppm ASTM D5185m Aluminum ppm ASTM D5185m Copper ppm ASTM D5185m Copper ppm ASTM D5185m Vanadium ppm ASTM D5185m Vanadium ppm ASTM D5185m White Metal yellow Metal scalar Yellow Metal Soot % % ASTM D5185m Fuel WC Method Water WC Method Water WC Method Soot % % ASTM D7624 Sulfation Abs/.1mm *ASTM D7624 Sulfation Abs/.1mm *ASTM D7624 Sulfation Abs/.1mm *Visual Sand/Dirt Scalar *Visual Sand/Dirt Appearance Odor scalar *Visual Sodium ppm ASTM D5185m Boron ppm ASTM D5185m Boron ppm ASTM D5185m Molybdenum ppm ASTM D5185m Manganese ppm ASTM D5185m	Sample Number Sample Date Client Info Sample Date Client Info Machine Age hrs Client Info Oil Age hrs Client Info Filter Age hrs Client Info Oil Changed Client Info Filter Changed Client Info Sample Status  Iron ppm ASTM D5185m >51 Chromium ppm ASTM D5185m >51 Chromium ppm ASTM D5185m >51 Chromium ppm ASTM D5185m >51 Titanium ppm ASTM D5185m >31 Lead ppm ASTM D5185m >26 Copper ppm ASTM D5185m >26 Silicon ppm ASTM D5185m >22 Vanadium ppm ASTM D5185m >22 Silicon ppm ASTM D5185m >22 Vanadium ppm ASTM D5185m >20 Valfation Abs/lmm ASTM D5185m >20 Sulfation Abs/lmm *ASTM D7624 >20 Sulfation Abs/lmm *ASTM D7624 >20 Sulfation Abs/lmm *ASTM D7624 >20 Sulfation Abs/lmm *ASTM D7615 >30 Silt scalar *Visual NONE Sand/Dirt scalar *Visual NONE Sand/Dirt scalar *Visual NONE Appearance scalar *Visual NONE Appearance scalar *Visual NONE Sand/Dirt scalar *Visual NONE Appearance scalar *Visual NONE Appearance scalar *Visual NONE Sand/Dirt scalar *Visual NONE Appearance scalar *Visual NONE Appeara	Sample Number Sample Date         Client Info         LEC0001704           Sample Date Machine Age         hrs         Client Info         15 Jul 2020           Machine Age         hrs         Client Info         1096           Oil Age         hrs         Client Info         500           Filter Age         Client Info         Changed           Gillent Info         Changed         Changed           Filter Changed Sample Status         Client Info         Changed           Iron         ppm         ASTM D5185m         >51         39           Chromium         ppm         ASTM D5185m         >51         1           Nickel         ppm         ASTM D5185m         >5         7           Titanium         ppm         ASTM D5185m         >5         7           Aluminum         ppm         ASTM D5185m         >31         6           Lead         ppm         ASTM D5185m         >31         6           Lead         ppm         ASTM D5185m         >26         <1	Sample Number         Client Info         LEC0001704         LEC0003052           Sample Date         Client Info         15 Jul 2020         19 Aug 2019           Machine Age         hrs         Client Info         1096         596           Oil Age         hrs         Client Info         500         596           Filter Age         hrs         Client Info         500         596           Chient Info         Changed         Changed         Changed           Filter Changed         Client Info         Changed           Sample Status         MARGINAL         ABNORMAL           Iron         ppm         ASTM D5185m         >51         39         35           Chromium         ppm         ASTM D5185m         >11         1         <1







Certificate L2367

Laboratory Sample No. Lab Number Unique Number

: LEC0001704 : 05022954 : 9103114

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 17 Jul 2020 Diagnosed : 31 Jul 2020

Diagnostician : Doug Bogart Test Package : MOBCE ( Additional Tests: TBN )

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)

LESLIE EQUIPMENT COMPANY

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