WEAR CONTAMINATION FLUID CONDITION

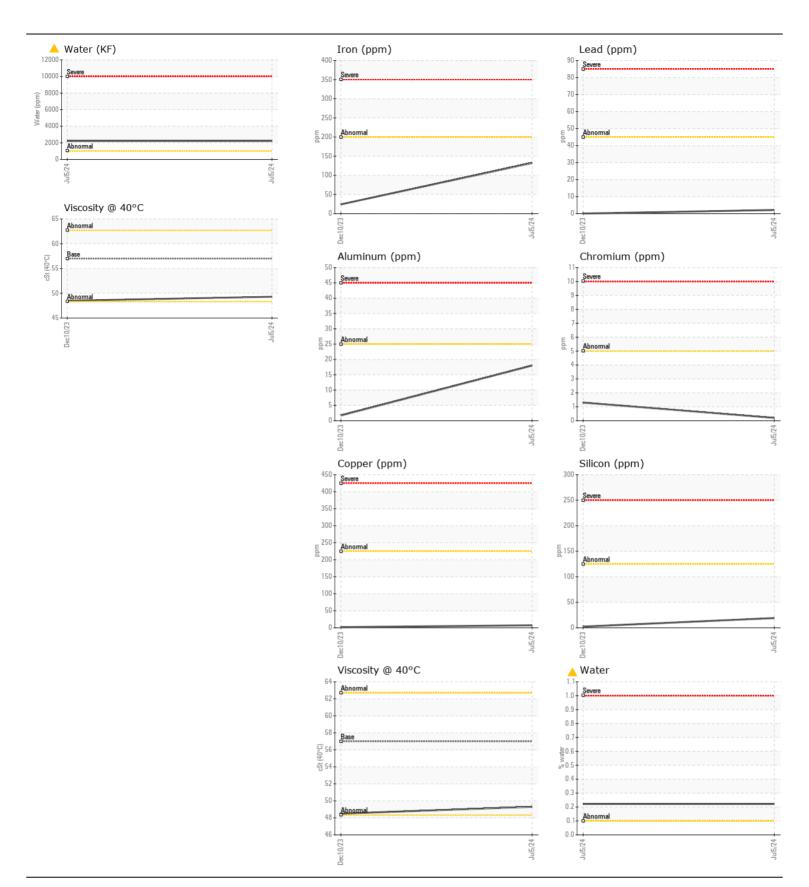
NORMAL ABNORMAL NORMAL

Machine Id

JOHN DEERE 8310R 741242 (S/N 1RW8310RNB207007)

Transmission (Manual)

Sample Number Sample Date Machine Age Oil Age Filter Age Oil Changed Filter Changed	hrs hrs	Client Info Client Info Client Info		PCA0122137	PCA0100979	
Machine Age Oil Age Filter Age Oil Changed	hrs					
Oil Age Filter Age Oil Changed	hrs	Client Info		05 Jul 2024	10 Dec 2023	
Filter Age Oil Changed				842	692	
Oil Changed	hrs	Client Info		842	692	
J		Client Info		842	692	
Filter Changed		Client Info		Changed	Changed	
-		Client Info		Not Changd	Changed	
Sample Status				ABNORMAL	NORMAL	
Iron	ppm	ASTM D5185m	>200	132	24	
Chromium					1	
Nickel				0	0	
Titanium	ppm	ASTM D5185m		<1	0	
Silver	ppm	ASTM D5185m	>7	0	0	
Aluminum	ppm	ASTM D5185m	>25	18	2	
Lead	ppm	ASTM D5185m	>45	2	0	
Copper	ppm	ASTM D5185m	>225	7	2	
Tin	ppm	ASTM D5185m	>10	<1	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	>125	19	2	
Potassium	ppm	ASTM D5185m	>20	2	0	
Water	%	ASTM D6304	>0.1	▲ 0.222		
ppm Water	ppm	ASTM D6304	>1000	2220		
Silt	scalar	*Visual	NONE	NONE	LIGHT	
Debris	scalar	*Visual	NONE	NONE	NONE	
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Appearance	scalar	*Visual	NORML	HAZY	NORML	
Odor	scalar	*Visual	NORML	NORML	NORML	
Emulsified Water	scalar	*Visual	>0.1	0.2%	NEG	
Sodium	ppm	ASTM D5185m		27	0	
Boron	ppm		6	11	8	
Barium	ppm	ASTM D5185m	0	2	7	
Molybdenum	ppm	ASTM D5185m	0	<1	0	
Manganese	ppm	ASTM D5185m		3	0	
Magnesium	ppm	ASTM D5185m	145	60	72	
Calcium	ppm	ASTM D5185m	3570	2670	3498	
Phosphorus	ppm	ASTM D5185m	1290	987	1079	
Zinc	ppm	ASTM D5185m	1640	1065	1247	
Sulfur	ppm	ASTM D5185m		3928	4326	
	Chromium Nickel Titanium Silver Aluminum Lead Copper Tin Vanadium White Metal Yellow Metal Silicon Potassium Water ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	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 Water % ppm Water ppm Silt scalar Sand/Dirt scalar Appearance scalar Codor scalar Emulsified Water scalar Sodium ppm Boron ppm Barium ppm Manganese ppm Magnesium ppm Calcium ppm Phosphorus ppm Zinc ppm Silver ppm Silver ppm Silver ppm Scalar	Chromium ppm ASTM D5185m Nickel ppm ASTM D5185m Titanium ppm ASTM D5185m Silver ppm ASTM D5185m Aluminum ppm ASTM D5185m Lead ppm ASTM D5185m Copper ppm ASTM D5185m Tin ppm ASTM D5185m Vanadium ppm ASTM D5185m White Metal scalar *Visual Yellow Metal scalar *Visual Yellow Metal scalar *Visual Silicon ppm ASTM D5185m Water % ASTM D5185m Water % ASTM D5185m Water ppm ASTM D5185m Water % ASTM D6304 Silt scalar *Visual Debris scalar *Visual Appearance scalar *Visual Appearance scalar *Visual Sand/Dirt scalar *Visual Appearance scalar *Visual Sodium ppm ASTM D5185m Boron ppm ASTM D5185m Boron ppm ASTM D5185m Molybdenum ppm ASTM D5185m Manganese ppm ASTM D5185m Manganese ppm ASTM D5185m Manganese ppm ASTM D5185m Calcium ppm ASTM D5185m Calcium ppm ASTM D5185m Phosphorus ppm ASTM D5185m Zinc ppm ASTM D5185m Sulfur ppm ASTM D5185m Sulfur ppm ASTM D5185m Sulfur ppm ASTM D5185m	Chromium ppm ASTM D5185m >5 Nickel ppm ASTM D5185m >5 Titanium ppm ASTM D5185m >7 Aluminum ppm ASTM D5185m >25 Lead ppm ASTM D5185m >45 Copper ppm ASTM D5185m >225 Tin ppm ASTM D5185m >10 Vanadium ppm ASTM D5185m >225 Tin ppm ASTM D5185m >10 Vanadium ppm ASTM D5185m >10 Vanadium ppm ASTM D5185m >20 Water % ASTM D5185m >20 Water % ASTM D6304 >0.1 ppm Water ppm ASTM D6304 >1000 Silt scalar *Visual NONE <td>Chromium ppm ASTM D5185m >5 <1</td>	Chromium ppm ASTM D5185m >5 <1	Chromium ppm ASTM D5185m >5 <1 1 Nickel ppm ASTM D5185m >5 0 0 Titanium ppm ASTM D5185m >7 0 0 Silver ppm ASTM D5185m >7 0 0 Aluminum ppm ASTM D5185m >7 0 0 Aluminum ppm ASTM D5185m >25 18 2 Lead ppm ASTM D5185m >45 2 0 Copper ppm ASTM D5185m >10 <1





Laboratory Sample No.

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

: PCA0122137 Lab Number : 06239517 Unique Number : 11128351

Received

: 17 Jul 2024 **Tested** : 18 Jul 2024 Diagnosed

: 19 Jul 2024 - Sean Felton Test Package: MOB 1 (Additional Tests: KF)

284 BOGER RD MOCKSVILLE, NC US 27028 Contact: ROGER AMICK ramick@synagro.com

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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)

SYNAGRO