

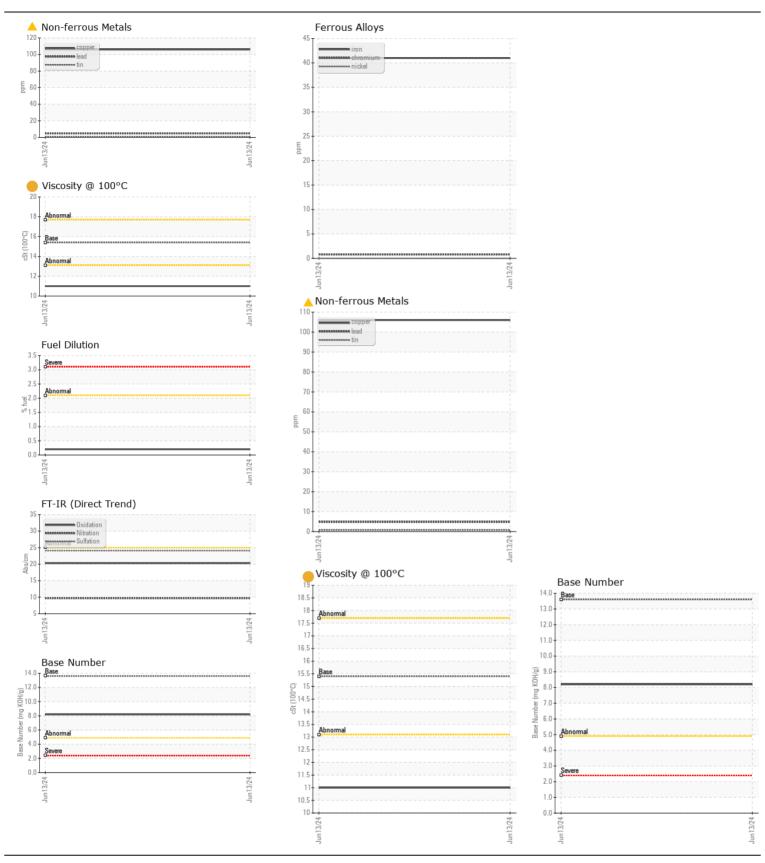
WEAR CONTAMINATION **FLUID CONDITION** **ABNORMAL NORMAL ATTENTION**



Machine Id **JOHN DEERE 130G 043187**

Diesel Engine

Test UOM Method Umbkr Current History Hist	JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (GAL)								
Machine Age	RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2	
Collant line	Oil and filter change at the time of sampling has been noted. Resample						,		
### Agains Age hrs Client Info 469		•							
Filter Age Oil Chent Info Changed Chent Info Changed C			hrs	Client Info		469			
Filter Age Oil Chent Info Changed Chent Info Changed C		Oil Age	hrs	Client Info		469			
Oil Changed Cilent Info Changed Change			hrs	Client Info		469			
Filter Changed Cilent Info Changed Cilent Info Changed						Changed			
Name		Filter Changed		Client Info		Changed			
Chromium ppm ASTIN D5165m >1		_				_			
Chromium ppm ASTIN D5165m >1	WEAR	Iron	nnm	ASTM D5185m	\51	Д1			
Nickel	The copper level is abnormal. All other metal levels are typical for a								
Titanium ppm ASTM 05185m 3 0									
Silver ppm ASTM 05185m >3 0					75	_			
Aluminum ppm ASTM 05/85m >26 5					~3				
Lead ppm ASTM DS185m >26 5									
Copper									
Tin									
Vanadium ppm ASTM D5185m NONE NONE NONE Polarism None									
White Metal Scalar Visual NONE NON					7 7				
Yellow Metal Scalar Visual NONE NONE Potassium ppm ASTM D5185m >22 9 Potassium ppm ASTM D5185m >20 1 Put % ASTM D5185m >20 1 Water % ASTM D5185m >20 24.1 Water % ASTM D5185m >30 24.1 Sulfation Abs/imm *ASTM D7844 >3 0.4 Sulfation Abs/imm *ASTM D7844 >3 0.4 Sulfation Abs/imm *ASTM D7845 >30 24.1 Sulfation Abs/imm *ASTM D5185m NONE NONE Sulfation Abs/imm ASTM D5185m Abs/imm NORML Sulfation Abs/imm ASTM D5185m Abs/im					NONE	-			
Silicon ppm ASTM D5185m >22 9						_			
Potassium ppm ASTM D5185m > 20 1		·····							
Fuel content negligible. There is no indication of any contamination in the oil. Fuel	CONTAMINATION		ppm						
the oil. Water Workelfhod Sold NEG Sold NEG			ppm						
Water WC Method So.21 NEG Glycol WC Method NEG Soot % % "ASTM D7844 >3 0.4 Sulfation Abs/cm "ASTM D7824 >20 9.7 Sulfation Abs/cm "ASTM D7824 >20 9.7 Sulfation Abs/cm "ASTM D7845 >30 24.1 Sulfation Abs/cm "Visual NONE NONE Sulfation Abs/cm "Visual NONE NONE Sulfation Abs/cm "Visual NONE NONE Sodium Socialar "Visual NORML NORML Odor scalar "Visual NORML NORML Odor scalar "Visual NORML NORML Odor Scalar "Visual NORML NORML Detris Social "Visual NORML NORML Odor Scalar "Visual NORML NORML Detris Scalar "Visual NORML NORML Odor Scalar "Visual NORML NORML Odor Scalar "Visual NORML NORML Odor Scalar "Visual NORML NORML Odor Scalar "Visual NORML NORML Odor Scalar "Visual NORML NORML Odor Scalar "Visual NORML NORML Odor Scalar "Visual NORML NORML Odor Scalar "Visual NORML NORML Odor Scalar "Visual NORML NORML Odor Scalar "Visual NORML NORML Odor Scalar "Visual NORML NORML Odor Scalar "Visual NORML NORML Odor Scalar "Visual NORML NORML Odor Scalar "Visual NORML NORML Odor Scalar "Visual NORML NORML Odor Scalar "Visual NORML NORML NORML NORML NORML NORML NORML NOR		Fuel	%	ASTM D3524	>2.1				
Soot %					>0.21				
Nitration									
Sulfation Abst.tmm *ASTM D7415 >30 24.1 Silt scalar *Visual NONE NONE Debris scalar *Visual NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE Appearance scalar *Visual NORML									
Silt scalar *Visual NONE NONE Debris scalar *Visual NONE NONE NONE Debris scalar *Visual NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE Appearance scalar *Visual NORML									
Debris Scalar *Visual NONE NONE Sand/Dirt Scalar *Visual NONE NONE Sand/Dirt Scalar *Visual NONE NONE Sand/Dirt Scalar *Visual NONE NORML Scalar *Visual NORML NORML Scalar *Visual NORML NORML Scalar *Visual NORML NORML Scalar *Visual Scalar *Visual NORML Scalar *Visual Scalar *Visual Scalar *Visual NORML Scalar *Visual Sc									
Sand/Dirt Scalar *Visual NONE NORE Appearance Scalar *Visual NORML									
Appearance									
Color						_			
Emulsified Water scalar *Visual >0.21 NEG		• •							
Sodium ppm ASTM D5185m >31 7									
Boron ppm ASTM D5185m 145 Molybdenum ppm ASTM D5185m 4 Magnesium ppm ASTM D5185m 210 Magnesium ppm ASTM D5185m 4 Magnesium ppm ASTM D5185m 4 Magnesium ppm ASTM D5185m 812 Calcium ppm ASTM D5185m 1672 Phosphorus ppm ASTM D5185m 936 Zinc ppm ASTM D5185m 1123 Sulfur ppm ASTM D5185m 3345 Oxidation Abs/.1mm *ASTM D7414 >25 20.3 Base Number (BN) mg KOH/g ASTM D2896 13.6 8.2		Emulsified Water	scalar	*Visual	>0.21	NEG			
Boron ppm ASTM D5185m 145 Molybdenum ppm ASTM D5185m 4 Magnesium ppm ASTM D5185m 210 Magnesium ppm ASTM D5185m 4 Magnesium ppm ASTM D5185m 4 Magnesium ppm ASTM D5185m 812 Calcium ppm ASTM D5185m 1672 Phosphorus ppm ASTM D5185m 936 Zinc ppm ASTM D5185m 1123 Sulfur ppm ASTM D5185m 3345 Oxidation Abs/.1mm *ASTM D7414 >25 20.3 Base Number (BN) mg KOH/g ASTM D2896 13.6 8.2	FLUID CONDITION	Sodium	ppm	ASTM D5185m	>31	7			
there is suitable alkalinity remaining in the oil. Confirm oil type. Molybdenum ppm ASTM D5185m 210 Manganese ppm ASTM D5185m 4 Magnesium ppm ASTM D5185m 812 Calcium ppm ASTM D5185m 1672 Phosphorus ppm ASTM D5185m 936 Zinc ppm ASTM D5185m 1123 Sulfur ppm ASTM D5185m 3345 Oxidation Abs/.1mm		Boron	ppm	ASTM D5185m		145			
Molybdenum ppm ASTM D5185m 210 Manganese ppm ASTM D5185m 4 Magnesium ppm ASTM D5185m 812 Calcium ppm ASTM D5185m 1672 Phosphorus ppm ASTM D5185m 936 Zinc ppm ASTM D5185m 1123 Sulfur ppm ASTM D5185m 3345 Oxidation Abs/.1mm *ASTM D7414 >25 20.3 Base Number (BN) mg KOH/g ASTM D2896 13.6 8.2		Barium	ppm	ASTM D5185m		4			
Magnesium ppm ASTM D5185m 812 Calcium ppm ASTM D5185m 1672 Phosphorus ppm ASTM D5185m 936 Zinc ppm ASTM D5185m 1123 Sulfur ppm ASTM D5185m 3345 Oxidation Abs/.1mm *ASTM D7414 >25 20.3 Base Number (BN) mg KOH/g ASTM D2896 13.6 8.2		Molybdenum	ppm	ASTM D5185m		210			
Calcium ppm ASTM D5185m 1672 Phosphorus ppm ASTM D5185m 936 Zinc ppm ASTM D5185m 1123 Sulfur ppm ASTM D5185m 3345 Oxidation Abs/.1mm *ASTM D7414 >25 20.3 Base Number (BN) mg KOH/g ASTM D2896 13.6 8.2		Manganese	ppm	ASTM D5185m		4			
Calcium ppm ASTM D5185m 1672 Phosphorus ppm ASTM D5185m 936 Zinc ppm ASTM D5185m 1123 Sulfur ppm ASTM D5185m 3345 Oxidation Abs/.1mm *ASTM D7414 >25 20.3 Base Number (BN) mg KOH/g ASTM D2896 13.6 8.2		_		ASTM D5185m		812			
Phosphorus ppm ASTM D5185m 936 Zinc ppm ASTM D5185m 1123 Sulfur ppm ASTM D5185m 3345 Oxidation Abs/.1mm *ASTM D7414 >25 20.3 Base Number (BN) mg KOH/g ASTM D2896 13.6 8.2		_		ASTM D5185m		1672			
Zinc ppm ASTM D5185m 1123 Sulfur ppm ASTM D5185m 3345 Oxidation Abs/.1mm *ASTM D7414 >25 20.3 Base Number (BN) mg KOH/g ASTM D2896 13.6 8.2				ASTM D5185m		936			
Sulfur ppm ASTM D5185m 3345 Oxidation Abs/.1mm *ASTM D7414 >25 20.3 Base Number (BN) mg KOH/g ASTM D2896 13.6 8.2									
Oxidation Abs/.1mm *ASTM D7414 >25 20.3 Base Number (BN) mg KOH/g ASTM D2896 13.6 8.2									
Base Number (BN) mg KOH/g ASTM D2896 13.6 8.2					>25				
		Base Number (BN)	mg KOH/g						







Laboratory Sample No.

Lab Number : 06218028

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : JR0218762

Unique Number: 11096225

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Received : 24 Jun 2024 **Tested** : 27 Jun 2024 Diagnosed

: 27 Jun 2024 - Jonathan Hester

JRE - ASHEVILLE 101 BRUCE DRIVE ASHEVILLE, NC US 28806 Contact: Randy Warren

Test Package: CONST (Additional Tests: FuelDilution, PercentFuel, 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.

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