WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL

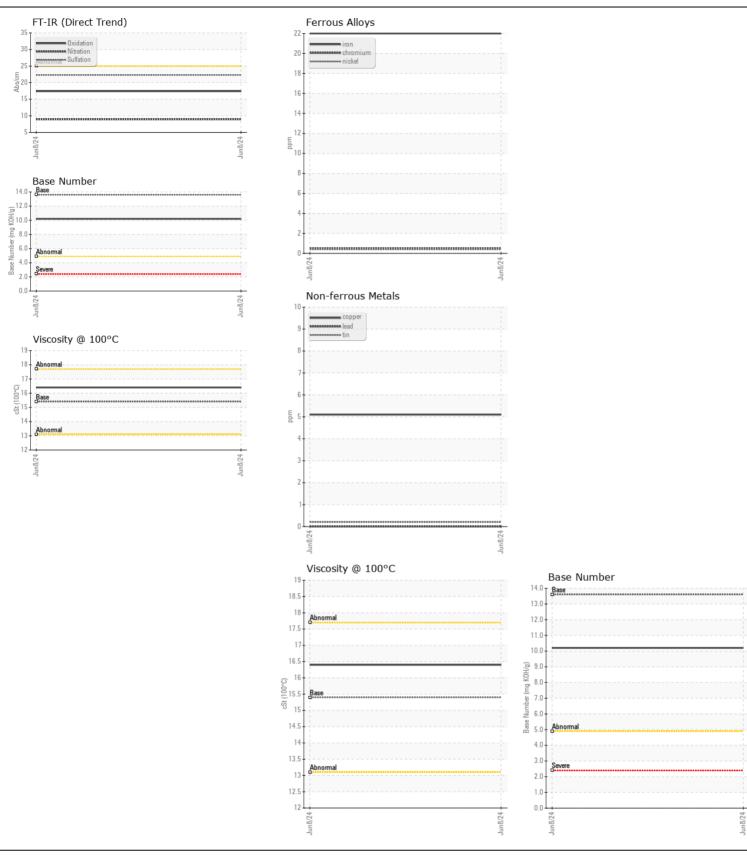
Machine Id

JOHN DEERE 848L 1DW848LBJKF696354

Diesel Engine

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

Test	ory2)					
Sample at the next service interval to monitor. Sample Date Client Info 08 Jun 2024		istorv1 H	urrent	Limit/Abn	Method	UOM	Test	RECOMMENDATION
Sample Date Machine Age Nrs Client Info 6900		,					Sample Number	
Machine Age hrs Client Info 500 Oil Age hrs Client Info 500 Filter Age hrs Client Info 500 Oil Changed hrs Client Info 500 Oil Changed Client Info Changed Changed Changed Changed Changed Changed Client Info Changed Changed Changed Changed Changed Changed Changed Changed Changed Changed Changed Changed Changed Changed Changed Changed Changed Changed Changed Changed Changed Changed Changed Changed Changed Changed Changed Changed Changed Changed Changed Changed Changed Changed Changed Change			Jun 2024					Resample at the next service interval to monitor.
Oil Age						hrs		
Filter Age							J	
Oil Changed Filter Changed Client Info Changed								
Filter Changed Sample Status						0	_	
VEAR							-	
Iron			_		Onone into		_	
All component wear rates are normal. Chromium ppm ASTM D5185m >11 <1								<u></u>
All component wear rates are normal. Chromium ppm ASTM D5185m >11 <1	-		22	>51	ASTM D5185m	ppm	Iron	WEAR
Nickel ppm ASTM D5185m >5 <1 Titanium ppm ASTM D5185m >5 <1 Silver ppm ASTM D5185m >3 0 Aluminum ppm ASTM D5185m >3 0 Copper ppm ASTM D5185m >26 0 Copper ppm ASTM D5185m >26 5 Tin ppm ASTM D5185m >26 5 White Metal scalar Visual NONE NONE Yellow Metal Scalar Visual NONE NEG Silt Scalar Visual NONE NONE Silt Scalar Visual NONE NONE Debris Scalar Visual NONE NONE Sand/Dirt Scalar Visual NONE NONE Sone None None Sand/Dirt Scalar Visual NONE NONE None None Sand/Dirt Scalar Visual NONE NONE Silt Scalar Visual NONE NONE Sand/Dirt Scalar Visual NONE NONE Silt Scalar Visual NONE NONE Sand/Dirt Scalar Visual NONE NONE Sandriam Scalar Visual NONE NONE Scalar Visual NONE NONE Scalar	-		<1	>11	ASTM D5185m		Chromium	
Titanium ppm ASTM D5185m <1			<1				Nickel	All component wear rates are normal.
Silver ppm ASTM D5185m >3 0	_							
Aluminum ppm ASTM D5185m >31 8				>3				
Lead								
Copper ppm ASTM D5185m >26 5								
Tin ppm ASTM D5185m >4 <1								
Vanadium								
White Metal Scalar *Visual NONE NONE Yellow Metal Scalar *Visual NONE Yellow Metal Scalar *Visual NONE Yellow Metal Yellow Metal Yellow Metal Scalar *Visual NONE Yellow Metal Yello				>4				
Yellow Metal scalar *Visual NONE NONE CONTAMINATION				NONE				
Silicon ppm ASTM D5185m >22 15	-							
Potassium	-		NONE	NONE	*Visual	scalar	Yellow Metal	
Potassium			15	>22	ASTM D5185m	ppm	Silicon	CONTAMINATION
There is no indication of any contamination in the oil. Fuel Water Glycol Soot % Neg Neg Neg Notration Abs/cm *ASTM D7824 > 20 Sulfation Abs/.1mm *ASTM D7624 > 20 Sulfation Abs/.1mm *ASTM D7415 > 30 Silt Scalar *Visual NONE NONE Sand/Dirt Scalar *Visual NONE NONE NONE NONE NONE Sand/Dirt Scalar *Visual NONE NONE								CONTAMINATION
Water WC Method >0.21 NEG Glycol WC Method NEG Soot % % *ASTM D7844 >3 0.4 Nitration Abs/cm *ASTM D7624 >20 8.9 Sulfation Abs/.1mm *ASTM D7415 >30 22.3 Silt scalar *Visual NONE NONE Debris scalar *Visual NONE NONE Sand/Dirt scalar *Visual NONE NONE						ррпп		There is no indication of any contamination in the oil.
Soot %								
Soot % % *ASTM D7844 >3 0.4 <th< th=""><th></th><th></th><th></th><th><i>></i>0.∠1</th><th></th><th></th><th></th><th></th></th<>				<i>></i> 0.∠1				
Nitration Abs/cm *ASTM D7624 >20 8.9 Sulfation Abs/.1mm *ASTM D7415 >30 22.3 Silt scalar *Visual NONE NONE Debris scalar *Visual NONE NONE Sand/Dirt scalar *Visual NONE NONE				. 2		0/		
SulfationAbs/.1mm*ASTM D7415>3022.3Siltscalar*VisualNONENONEDebrisscalar*VisualNONENONESand/Dirtscalar*VisualNONENONE								
Silt scalar *Visual NONE NONE Sand/Dirt scalar *Visual NONE NONE								
Debrisscalar*VisualNONENONESand/Dirtscalar*VisualNONENONE								
Sand/Dirt scalar *Visual NONE NONE								
Appearance scalar *Visual NORML				-				
	-							
Odor scalar *Visual NORML	-							
Emulsified Water scalar *Visual >0.21 NEG	-		NEG	>0.21	*Visual	scalar	Emulsified Water	
FLUID CONDITION Sodium ppm ASTM D5185m >31 3			ą	√31	ASTM DE19Em	nnm	Sodium	ELUID CONDITION
	-			ا ن<				T LOID CONDITION
The BN result indicates that there is suitable alkalinity remaining in the								The BN result indicates that there is suitable alkalinity remaining in the
oil. The condition of the oil is suitable for further convice								
Molybdenum ppm ASTM D5185m 297								
Manganese ppm ASTM D5185m 1						• •		
Magnesium ppm ASTM D5185m 950							•	
Calcium ppm ASTM D5185m 1622	-							
Phosphorus ppm ASTM D5185m 919							·	
Zinc ppm ASTM D5185m 1258	-							
Sulfur ppm ASTM D5185m 4006			4006			ppm		
Oxidation	-						On the last the second	
Base Number (BN) mg KOH/g ASTM D2896 13.6 10.2	-		17.4					
Visc @ 100°C cSt ASTM D445 15.4 \ 16.4			17.4	13.6	ASTM D2896		Base Number (BN)	







Certificate L2367

Report Id: WARNOR [WUSCAR] 06211366 (Generated: 06/22/2024 21:02:32) Rev: 1

Laboratory Sample No.

Unique Number : 11084230

: WE0007829 Lab Number : 06211366

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

Tested Diagnosed Test Package : CONST (Additional Tests: TBN)

Received : 17 Jun 2024 : 19 Jun 2024

: 19 Jun 2024 - Wes Davis

WARRIOR TRACTOR AND EQUIPMENT - NORTHPORT P.O. BOX 412 NORTHPORT, AL

US 35476 Contact: PAMELA CLARK

pamela@warriortractor.com T: (205)339-0300

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)