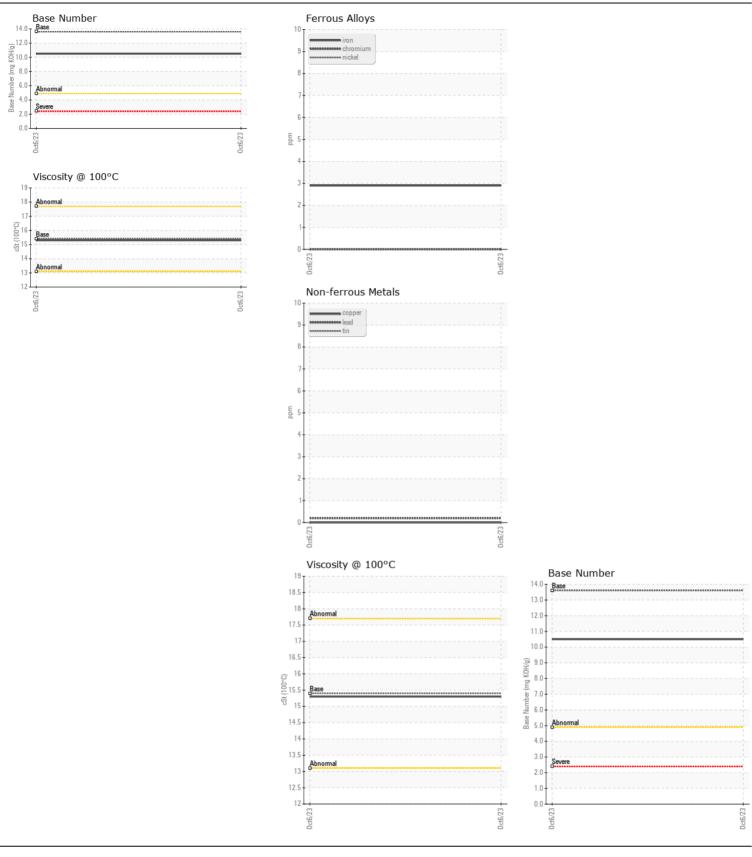


Machine Id JOHN DEERE 325G 1T0325GMVLJ382366 Component Diesel Engine

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

Test UOM Method United United History 2 Resample at the next service interval to monitor. Sample Name Client Info Single Name Client Info Single Name <	JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (Q15)						
Basepic Number Client Info WE002404 Image Number Client Info Bott Client Info Bott Client Info Bott Client Info Bott Client Info Image Number Client Info Image Number Client Info Image Number Client Info Image Number	RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Silver Date		Sample Number		Client Info		WE0002404		
Oil Age Inst. Inst. <thinst.< th=""> Inst. Inst. <t< th=""><th>Sample Date</th><th></th><th>Client Info</th><th></th><th>06 Oct 2023</th><th></th><th></th></t<></thinst.<>		Sample Date		Client Info		06 Oct 2023		
Filter Age Ins Client Info Changed Client Info Changed		Machine Age	hrs	Client Info		616		
Oil Changed Filter Changed Sample Status Client Info (Ling of Ling) Changed (Ling of Ling) Changed (Ling) Changed (Ling) <		-	hrs	Client Info		1		
Filter Changed Sample Status Client into NORMAL		-	hrs	Client Info		1		
Sample Status NRML n n WEAR Iron ppm ASIM 0585 51 3 10 10 Metal levels are typical for a new component breaking in. Nickel ppm ASIM 0585 50 0 100 100 Nickel ppm ASIM 0585 50 0 100 100 100 Nickel ppm ASIM 0585 30 0 100		-		Client Info		Changed		
Iron ppm ASTM 08166 >51 3 Metal levels are typical for a new component breaking in. ppm ASTM 05155 >5 0 Titatimum ppm ASTM 05155 >5 0 Silver ppm ASTM 05155 >5 0 Aluminum ppm ASTM 05155 >5 0 Aluminum ppm ASTM 05155 >5 0 Coper ppm ASTM 05155 >6 0 Tito ppm ASTM 05155 >6 0 Vanadium ppm ASTM 05155 >26 0 Vanadium ppm ASTM 05155 >26 0 Vanadium ppm ASTM 05155 >22 10 Velow Metal scalar <td< th=""><th>-</th><th></th><th>Client Info</th><th></th><th>Changed</th><th></th><th></th></td<>		-		Client Info		Changed		
Metal levels are typical for a new component breaking in. Chromium Nekel ppm ASTM Difision (Silver) 31 0 Titanium ppm ASTM Difision (Silver) 33 3 Silver ppm ASTM Difision (Silver) 34 3 Silver ppm ASTM Difision (Silver) 34 3 Comport Variable ppm ASTM Difision (Silver) 26 0 Comport Variable ppm ASTM Difision (Silver) 26 0 Variable ppm ASTM Difision (Silver) 26 0 Variable ppm ASTM Difision (Silver) 26 0 Variable ppm ASTM Difision (Silver) NONE NONE NONE Contraster Visual NONE NONE		Sample Status				NORMAL		
Metal levels are typical for a new component breaking in. Chromium Nekel ppm ASTM Difision (Silver) 31 0 Titanium ppm ASTM Difision (Silver) 33 3 Silver ppm ASTM Difision (Silver) 34 3 Silver ppm ASTM Difision (Silver) 34 3 Comport Variable ppm ASTM Difision (Silver) 26 0 Comport Variable ppm ASTM Difision (Silver) 26 0 Variable ppm ASTM Difision (Silver) 26 0 Variable ppm ASTM Difision (Silver) 26 0 Variable ppm ASTM Difision (Silver) NONE NONE NONE Contraster Visual NONE NONE	WEAR	Iron	nnm	4STM D5185m	<u>51</u>	2		
Mickel ppm ASTM D935m -5 0 Titanium ppm ASTM D935m -3 0 Aluminum ppm ASTM D935m -3 0 Aluminum ppm ASTM D935m -31 3 Aluminum ppm ASTM D935m -31 3 Lead ppm ASTM D935m -26 -1 Vandum ppm ASTM D935m -28 0 Vandum ppm ASTM D935m -28 0 Vandum ppm ASTM D935m -28 0 Vandum ppm ASTM D935m -22 10 Vandum ppm ASTM D935m -22 10 There is no indication of any contamination in the oit. Silicon ppm </th <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>								
Titanium ppm ASTM 0515m 0 0 Silver ppm ASTM 0515m -3 0 Silver ppm ASTM 0515m -26 -1 Lead ppm ASTM 0515m -26 0 Copper ppm ASTM 0515m -26 0 Tin ppm ASTM 0515m -26 0 Vanadium ppm ASTM 0515m -26 0 Vanadium ppm ASTM 0515m -26 0 Vanadium ppm ASTM 0515m -22 10 There is no indication of any contamination in the oil. Silicor ppm ASTM 0515m -22 10 Water WG Wolderhod -0.21 + Glycol %/ 100	Metal levels are typical for a new component breaking in.							
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Aluminum ppm ASTM D5185n 331 3 Laad ppm ASTM D5185n -26 <1 Copper Tin ppm ASTM D5185n -4 0 Vanadium ppm ASTM D5185n -4 0 White Metal scalar 'Visual NONE NONE White Metal scalar 'Visual NONE NONE Polassium ppm ASTM D5185n -22 10 Visual NONE <-10 Fuel WC Method >2.01 <-10 Glycol WC Method >0.21 NEG Sott % % 'ASTM D784 >3 0 Sulfation Abscim </th <th></th> <th></th> <th></th> <th>>3</th> <th></th> <th></th> <th></th>					>3			
Lead pm ASTM D518sn >26 c1 iii iii Copper ppm ASTM D518sn >26 0 iii iii Tin ppm ASTM D518sn >4 0 iii iii Vanadium ppm ASTM D518sn V 0 iii iii Vanadium ppm ASTM D518sn VISUAL NONE NONE iii iii Vanadium ppm ASTM D518sn >20 10 iii iii Velow scalar Visual NONE NONE iii iii Velow VD Method >21 r.0 iii iii iii Valization ASTM D518sn >20 NEG iii iii iii Sulfation Abs(m) NOR NCE NCE iii iii Sulfation Abs(m) NSTM NONE NONE iii iii Debris scalar Visual								
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Tin ppm ASTM D5185n >-4 0 Vanadium ppm ASTM D5185n 0 0 White Metal scalar 'Visual NONE NONE CONTAMINATION Silicon ppm ASTM D5185n >-22 10 There is no indication of any contamination in the oil. Silicon ppm ASTM D5185n >-22 10 Fuel WC Method >-21 <-1.0 Water WC Method >-21 NEG Water WC Method >-21 NEG Sulfation Abs/tm // ASTM D7424 >-0								
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Yellow Metal scalar *Visual NONE CONTAMINATION Silicon ppm ASTM 05165m >22 10 There is no indication of any contamination in the oil. Potassium ppm ASTM 05165m >22 10 Water WC Method >2.1 <1.0 Water WC Method >2.1 <1.0 Glycol WC Method >2.1 NEG Solt % % % ASTM 0784 >3 0 Sulfation Abs/tm *ASTM 0784 >30 2.0.1					NONE			
CONTAMINATION Silicon ppm ASTM D5185m >22 10 There is no indication of any contamination in the oil. Potassium ppm ASTM D5185m >20 2 Fuel WC Method >2.1 <1.0 Water WC Method >0.1 NEG Glycol WC Method >0.2.1 NEG Silicon Abs/tm MD784b >3 0 Silication Abs/tm ASIM D784b >3 0 Silitation Abs/tm ASIM D745b >30 20.1 Silitation Abs/tm ASIM D745b >30 20.1 Silitation Abs/tm ASIM D745b >30 20.1 Appearance scalar 'Visual NORML NORML								
Potassium ppm ASTM D5165m >20 2 Fuel WC Method >2.1 <1.0 Water WC Method >2.1 NEG Glycol WC Method >2.1 NEG Solt % % MSTM D764d >3 0 Solt % % MSTM D764d >3 0 Solt % % MSTM D764d >3 0 Sitt scalar Visual NONE 2.01 Sitt scalar Visual NONE NONE Pebris scalar Visual NORM NORM Sand/Dirt scalar Visual NORM NORM The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service. Sodium<								
There is no indication of any contamination in the oil. Fuel WC WC < 1.0 $<$ Water WC WC < 0.21 NEG $<$ Glycol WC WC < 0.21 NEG $<$ Sol % 'NTMD7024 >20 5.7 $<$ $<$ Nitration Abs/rm 'ASTMD7624 >20 5.7 $<$ $$ Sulfation Abs/rm 'ASTMD7624 >20 5.7 $$ $$ Sulfation Abs/rm 'ASTMD7624 >20 5.7 $$ $$ Sulfation Abs/rm 'ASTMD7624 >20 5.7 $$ $$ Sulfation Abs/rm 'AstmD7415 >30 20.1 $$ $$ Sulfation scalar 'Visual NORE NORE $$ $$ Sand/Dirt scalar 'Visual NORM NORM $$ $$ The BN result indicates that there is suitable alkalinity remaining in the oil is suitable for further service. Solium pm <	CONTAMINATION	Silicon	ppm			10		
Fluit Wolferiduol S2.1 R10 Res Res Water Wolferiduol S0.21 NEG Glycol WC Method S0.21 NEG Soot % % 'ASTM D7644 S3 0 Sulfation Abs/cm 'ASTM D7644 S30 20.1 Debris scalar 'Visual NONE NONE Odor scalar 'Visual NORML NORML Bronn ppm ASTM D5185m S01 Magaese ppm ASTM D5185m 0 <td< th=""><th rowspan="12">There is no indication of any contamination in the oil.</th><th></th><th>ppm</th><th></th><th></th><th>2</th><th></th><th></th></td<>	There is no indication of any contamination in the oil.		ppm			2		
Glycol WC Method NEG Soot % % 'ASTM D784 >3 00 Nitration Abs/tm<'/>'ASTM D784 >3 00 Nitration Abs/tm<'/>'ASTM D784 >3 00 Sulfation Abs/tm<'/>'Visual NONE Salar 'Visual NONE NONE Appearance scalar 'Visual NORM NORM Odor scalar 'Visual NORM NORM Bronn ppm ASTM D5185m >31 2 Marganese ppm ASTM D5185m I 301 Marganesium <		Fuel						
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Base Number (BN) mg KOH/g ASTM D2896 13.6 10.5					>25			
			mg KOH/g	ASTM D2896	13.6	10.5		
		Visc @ 100°C						



WARRIOR TRACTOR AND EQUIPMENT - NORTHPORT Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. : WE0002404 Received P.O. BOX 412 : 10 Oct 2023 Lab Number : 05973981 : 11 Oct 2023 NORTHPORT, AL Tested Unique Number : 10685931 Diagnosed : 11 Oct 2023 - Wes Davis US 35476 Test Package : CONST (Additional Tests: TBN) Contact: CRAIG ANDOE Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. serve01@warriortractor.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (205)339-0300 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: