

JOHN DEERE 1T0410LXAKF350367

Diesel Engine

JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (14 QTS)

Besample at the next service interval to monitor. Sample Number (1) Sample Date Citent Into JR027822 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	JOHN DEERE ENGINE OIL FLOS 30 II 15W40 (I							
Resample at the next service interval to monitor. Sample Date Machine Age has Oil Age Piter Changed Clent Info 30 May 262 (16 millio) 12 May 223 (16 millio) 13 May 262 (16 millio) 14 May 26 (16 millio) 14	RECOMMENDATION		UOM		Limit/Abn	Current	,	History2
Salingie Date Olifent Info Jing Zeit Kalingia Salingie Date Olifent Info Jing Zeit Kalingia K	Resample at the next service interval to monitor.							JR0153308
Oil Age his Cilent lino 239 115 741 Oil Changed Cilent lino 239 155 741 Oil Changed Cilent lino 2 Changed Changed <td< th=""><th></th><th></th><th></th><th></th><th>-</th><th>,</th><th>18 Nov 2022</th></td<>						-	,	18 Nov 2022
Filter Age OI Changed Ins Client Indo 28 pt Changed 15 t Changed 74 t Changed OI Changed Sample Status Client Indo Changed Cha		J						
OI Changed Filter Changed Sample Status Client Info Changed Changed Status Changed Changed Status Changed Changed Status Changed Changed Status Changed Changed Status Changed Status Changed Changed Status Changed Status Changed Changed Status Changed Status Changed Changed Status Changed Status Changed Status <th>-</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>		-						
Filter Changed Sample Status Clenit Info Changed NORMAL		-	nrs					
Sample Status NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL All component wear rates are normal. Iron pm ASTMD568 >51 9 7 6 Nickel pm ASTMD568 >51 <1 <1 0 Nickel pm ASTMD568 >51 <1 <1 0 Mickel pm ASTMD568 >30 0 0 0 All uminum pm ASTMD568 >31 51 3 0 0 Copper pm ASTMD568 >41 0 0 0 Vandum pm ASTMD568 >4 1 0 0 0 Vandum pm ASTMD568 >4 1 0 0 0 Vandum pm ASTMD588 < 7 0 0 0 0 Vandum pm ASTMD588 >20 NORE NORE NORE NORE		-					-	
All component wear rates are normal. Chromium ppm ASTM 05186n -51 -1 <1		-		Client Info		-		Changed NORMAL
All component wear rates are normal. Nickel ppm ASTM 0518m -5 <1 <1 <1 0 Titanium ppm ASTM 0518m -3 0 0 0 0 Aluminum ppm ASTM 0518m -31 5 3 3 1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 0 -1 -1 0 -1 -1 0 </td <td>WEAR</td> <th>Iron</th> <td>ppm</td> <td></td> <td></td> <th></th> <td>7</td> <td></td>	WEAR	Iron	ppm				7	
Nicket pprint Astituistication c1 c1 <thc1< td=""><td rowspan="10">All component wear rates are normal.</td><th></th><td>ppm</td><td>ASTM D5185m</td><td>>11</td><th><1</th><td><1</td><td>0</td></thc1<>	All component wear rates are normal.		ppm	ASTM D5185m	>11	<1	<1	0
Silver ppm ASTN D518m >3 0 0 0 Auminum ppm ASTN D518m >31 5 3 4 Lead ppm ASTN D518m >26 3 1 1 1 1 1 3 Tin ppm ASTN D518m >26 3 1 0 0 1 3 Vanadium ppm ASTN D518m <4 1 0 0 1 3 Vanadium ppm ASTN D518m <4 0 0 0 0 0 0 0 0 0 0 Vanadium ppm ASTN D518m >20 7 8 7 0 <t< td=""><th></th><td>ppm</td><td></td><td>>5</td><th></th><td></td><td></td></t<>			ppm		>5			
Aluminum ppm ASTM D518m >31 5 3 4 Lead ppm ASTM D518m >26 1 <1			ppm				0	0
Lead ppm ASTM D5185m >26 1 <1 <1 <1 Copper ppm ASTM D5185m >26 3 1 3 1 3 Tin ppm ASTM D5185m - 1 0 0 White Metal scalar Visual NONE NONE <t< td=""><th>Silver</th><td>ppm</td><td></td><td></td><th>0</th><td></td><td></td></t<>		Silver	ppm			0		
Copper ppm ASTM D5185m >26 3 1 3 Tin ppm ASTM D5185m -<1			ppm					4
Tin pp ASTM D5185m <4 <1 0.0 <1 Vanadium ppm ASTM D5185m <			ppm					
Vanadium ppm ASTM D5185m 1 0 0 White Metal scalar 'Visual NONE NONE <th>Copper</th> <th>ppm</th> <th></th> <th></th> <th>3</th> <th></th> <th>3</th>		Copper	ppm			3		3
White Metal Yellow Metal scalar 'Visual NONE			ppm		>4			
Yellow Metal scalar 'Visual NONE NONE <th>Vanadium</th> <th></th> <th>ASTM D5185m</th> <th></th> <th></th> <th>-</th> <th></th>		Vanadium		ASTM D5185m			-	
Silicon ppm ASTM D518sm >22 7 8 7 Potassium ppm ASTM D518sm >20 2 3 3 10 1 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 1 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 </td <th></th> <td>scalar</td> <td></td> <td></td> <th></th> <td></td> <td>NONE</td>			scalar					NONE
Potassium ppm ASTM D5185m >20 2 2 2 Fuel WC Method >2.1 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0		Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Potassium ppm ASTM D5185m >20 2 2 2 Fuel WC Method >2.1 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	CONTAMINATION	Silicon	ppm	ASTM D5185m	>22	7	8	7
Fuel Workertor Violation Vio		Potassium	ppm	ASTM D5185m	>20	2	2	2
Glycol WC Method NEG NEG <t< td=""><td rowspan="11">There is no indication of any contamination in the oil.</td><th>Fuel</th><td></td><td>WC Method</td><td>>2.1</td><th><1.0</th><td><1.0</td><td><1.0</td></t<>	There is no indication of any contamination in the oil.	Fuel		WC Method	>2.1	<1.0	<1.0	<1.0
Soot % % *ASTM D7844 >3 0.1 0.1 0.1 Nitration Abs/cm *ASTM D7624 >20 8.4 7.3 8.1 Sulfation Abs/tm *ASTM D7612 >30 20.9 20.7 22. Silt scalar *Visual NONE NONE NONE NONE NONE Debris scalar *Visual NONE NONE NONE NONE NONE NONE Sand/Dirt scalar *Visual NORM NORML		Water		WC Method	>0.21	NEG	NEG	NEG
Nitration Abs/cm *ASTM D7624 >20 8.4 7.3 8.1 Sulfation Abs/tm *ASTM D7415 >30 20.9 20.7 22.2 Silt scalar *Visual NONE NOR N		Glycol		WC Method		NEG	NEG	NEG
Sulfation Abs/.tm *ASTM D7415 >30 20.9 20.7 22.2 Silt scalar *Visual NONE NOR NO		Soot %	%	*ASTM D7844	>3	0.1	0.1	0.1
Silt scalar *Visual NONE		Nitration	Abs/cm	*ASTM D7624	>20	8.4	7.3	8.1
Debrisscalar*VisualNONENONENONENONENONENONESand/Dirtscalar*VisualNONENONENONENONENONENONENONEAppearancescalar*VisualNORMNORMLNORMLNORMLNORMLNORMLNORMLNORMLOdorscalar*VisualNORMNORMLNORMLNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.21NEGNEGNEGNEGNEGSodiumppmASTM D5185m>310<1		Sulfation	Abs/.1mm	*ASTM D7415	>30	20.9	20.7	22.3
Sand/Dirt scalar *Visual NONE NONE NONE NONE NONE NONE NONE NORM NORM<			scalar					NONE
Appearancescalar*VisualNORMLNORFLUID CONDITIONFLUID CONDITIONSodiumppmASTM D5185mSodium306293263273306293263273306293263273306293263273306293263273306293263273306293263273306293263273306293263273306293263213214214214214214 </th <th>Debris</th> <th>scalar</th> <th>*Visual</th> <th>NONE</th> <th>NONE</th> <th>NONE</th> <th>NONE</th>		Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Odorscalar*VisualNORML <t< th=""><th>Sand/Dirt</th><th>scalar</th><th>*Visual</th><th></th><th></th><th></th><th>NONE</th></t<>		Sand/Dirt	scalar	*Visual				NONE
Emulsified Waterscalar*Visual>0.21NEGNEGNEGFLUID CONDITIONThe BN result indicates that there is suitable alkalinity remaining in the oil is suitable for further service.SodiumppmASTM D5185m>310<1								NORML
Sodium ppm ASTM D5185m >31 0 <1 0 The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service. Sodium ppm ASTM D5185m 306 293 263 Barium ppm ASTM D5185m <1				*Visual				NORML
Boron ppm ASTM D5185m 306 293 263 Barium ppm ASTM D5185m 306 293 263 Barium ppm ASTM D5185m 3 0 0 Molybdenum ppm ASTM D5185m 263 263 273 Manganese ppm ASTM D5185m 263 273 Manganese ppm ASTM D5185m 164 164 164		Emulsified Water	scalar	*Visual	>0.21	NEG	NEG	NEG
Boron ppm ASTM D5185m 306 293 263 Barium ppm ASTM D5185m 306 293 263 Barium ppm ASTM D5185m 3 0 0 Molybdenum ppm ASTM D5185m 263 263 273 Manganese ppm ASTM D5185m 263 273 Manganese ppm ASTM D5185m 164 164 164	FLUID CONDITION	Sodium	ppm	ASTM D5185m	>31	0	<1	0
oil. The condition of the oil is suitable for further service. Barlum ppm ASTM US185m C 3 0 Molybdenum ppm ASTM US185m 271 263 273 Manganese ppm ASTM D5185m C1 <1 <1 Magnesium ppm ASTM D5185m 6 822 811 806 Calcium ppm ASTM D5185m 1465 1443 152 Phosphorus ppm ASTM D5185m 977 932 945 Zinc ppm ASTM D5185m 1150 1095 112 Sulfur ppm ASTM D5185m 3548 3150 418 Oxidation Abs/.1mm *ASTM D7414 >25 16.1 15.6		Boron	ppm	ASTM D5185m		306	293	263
Molybdenum ppm ASTM D5185m 271 263 273 Manganese ppm ASTM D5185m <1	, ,	Barium	ppm	ASTM D5185m		<1	3	0
Magnesium ppm ASTM D5185m 822 811 808 Calcium ppm ASTM D5185m 1465 1443 152 Phosphorus ppm ASTM D5185m 977 932 945 Zinc ppm ASTM D5185m 1150 1095 112 Sulfur ppm ASTM D5185m 3548 3150 418 Oxidation Abs/.1mm *ASTM D7414 >25 16.1 15.6 16.1		Molybdenum	ppm	ASTM D5185m		271	263	273
Calcium ppm ASTM D5185m 1465 1443 152 Phosphorus ppm ASTM D5185m 977 932 943 Zinc ppm ASTM D5185m 1150 1095 112 Sulfur ppm ASTM D5185m 3548 3150 418 Oxidation Abs/.1mm *ASTM D7414 >25 16.1 15.6 16.1		Manganese	ppm	ASTM D5185m		<1	<1	<1
Phosphorus ppm ASTM D5185m 977 932 945 Zinc ppm ASTM D5185m 1150 1095 112 Sulfur ppm ASTM D5185m 3548 3150 418 Oxidation Abs/.tmm *ASTM D7414 >25 16.1 15.6 16.1		Magnesium	ppm	ASTM D5185m		822	811	808
Zinc ppm ASTM D5185m 1150 1095 112 Sulfur ppm ASTM D5185m 3548 3150 418 Oxidation Abs/.1mm *ASTM D7414 >25 16.1 15.6 16.1		Calcium	ppm	ASTM D5185m		1465	1443	1521
Sulfur ppm ASTM D5185m 3548 3150 418 Oxidation Abs/.1mm *ASTM D7414 >25 16.1 15.6 16.1		Phosphorus	ppm			977	932	949
Oxidation Abs/.1mm *ASTM D7414 >25 16.1 15.6 16.1		Zinc	ppm	ASTM D5185m		1150	1095	1128
		Sulfur	ppm	ASTM D5185m		3548	3150	4184
		Oxidation	Abs/.1mm	*ASTM D7414	>25	16.1	15.6	16.7
Base Number (BN) mg KOH/g ASTM D2896 13.6 8.6 9.4 10.		Base Number (BN)	mg KOH/g	ASTM D2896	13.6	8.6	9.4	10.2

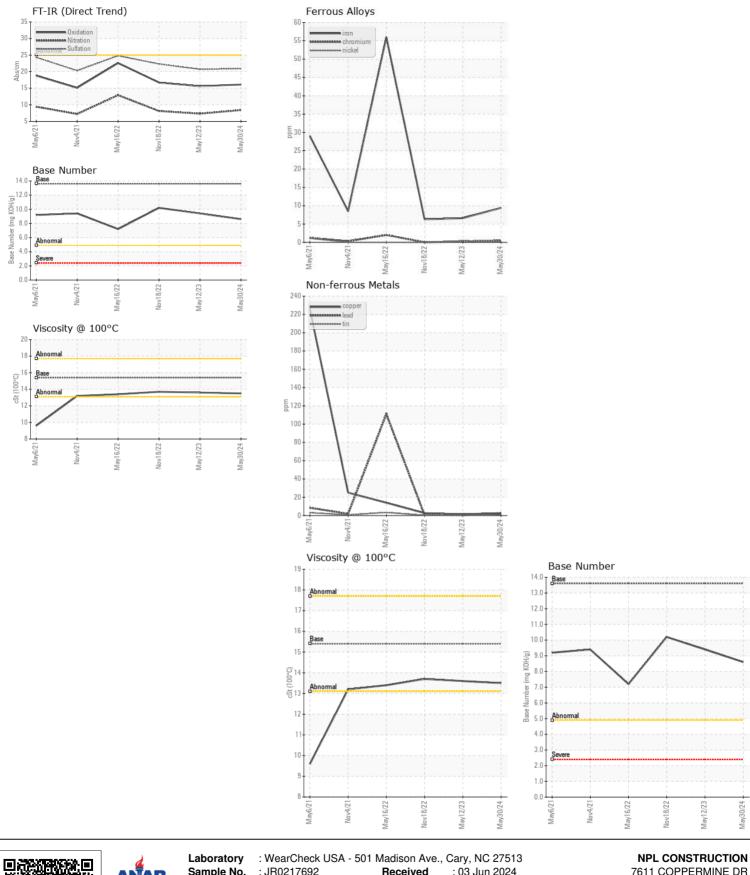
Visc @ 100°C cSt

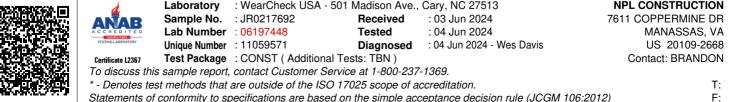
ASTM D445 15.4

13.6

13.7

13.5





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

Submitted By: TECHNICIAN ACCOUNT Page 2 of 2