

JOHN DEERE 4201 LM398523

Component Transmission (Auto)

ALLISON TES 295 (--- QTS)

Sample at the next service interval to monitor. Sample Date Client Info MB196619 JR0936749	RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Data Normal Sinov 200 Sinov 200 <td< th=""><th></th><th>Sample Number</th><th></th><th>Client Info</th><th></th><th>JR0196619</th><th>JR0053744</th><th></th></td<>		Sample Number		Client Info		JR0196619	JR0053744	
Oil Age Filter Age Giol Age Filter Age Oil ChangedClient In7200050.40Filter Age Oil ChangedClient In7Changed Filter ChangedClient In7Changed ChangedNorChange NorChangedWEARPQStint In7Client In7Changed StartNorChanged NorChangedMiced Disponsent wear rates are normal.PQSTM 0516550302.32Nickel Disponsent wear rates are normal.PQSTM 05165500.0Nickel Disponsent wear rates are normal.Norma Nickel Disponsent wear rates are normal.0Nickel Disponsent wear rates are normal.PQSTM 05165500.0Nickel Disponsent wear rates are normal.Norma Nickel Disponsent wear rates are normal.00Nickel Disponsent wear rates are normal.PQSTM 05165500.00Nickel Disponsent wear rates are normal.PQSTM 05165500.00Nickel Disponsent wear rates are normal.Nickel Disponsent wear rates are normal.00Nickel Disponsent wear rates are normal.Nickel Disponsent wear rates are normal.00Nickel Disponsent wear rates are normal.Nickel Disponsent wear rates are normal.Nickel Disponsent wear rates are normal.00Nickel Disponsent wear rates are normal.Nickel<	nesample at the next service interval to monitor.	Sample Date		Client Info		29 Nov 2023	30 Sep 2020	
Filter Age hrs Client Info Conseque Sold		Machine Age	hrs	Client Info		4179	504	
Oil Changed Client Into Changed Not Changed <		Oil Age	hrs	Client Info		2000	504	
Filter Changed Sample Status Client Info Changed NORMAL NorMAL		Filter Age	hrs	Client Info		2000	504	
Sample Status NORMA NORMAL NORMAL NORMAL WEAR PQ S1M 0518 S0 20 23 All component wear rates are normal. Iron pm ASTM 0518 >50 0 <10 Norked pm ASTM 0518 >50 0 <10 Norked pm ASTM 0518 >50 0 <10 Norked pm ASTM 0518 >50 0 <10 Tataium pm ASTM 0518 >50 8 0 Auminum pm ASTM 0518 >50 8 0 Copper pm ASTM 0518 >50 8 0 Value pm ASTM 0518 >50 8 0 Copper pm ASTM 0518 >50 8 0 Value scalar Visual NONE NONE NONE		Oil Changed		Client Info		Changed	Not Changd	
WEAR PQ ASTM D8184 >50 20 2.3 Iron ppm ASTM D8186 >10 38 2.2 Iron ppm ASTM D8186 >5 0 <1 Nickel ppm ASTM D8186 >5 0 <1 Trainum ppm ASTM D8186 >5 0 <1 Nickel ppm ASTM D8186 >5 0 <1 Silver ppm ASTM D8186 >50 8 0 Aluminum ppm ASTM D8186 >50 8 0 Iron ppm ASTM D8186 >50 8 0 Iron ppm ASTM D8186 >50 8 0 Iron ppm ASTM D8186 >0 0 Iron ppm ASTM D8186 >0 8 0		Filter Changed		Client Info		Changed	Not Changd	
Iron ppm ASTM D5185m >160 38 22 All component wear rates are normal. Chromium ppm ASTM D5185m >5 00 <1 Nickel ppm ASTM D5185m >5 00 <1 Titanium ppm ASTM D5185m >50 00 < Titanium ppm ASTM D5185m >50 8 00 Aluminum ppm ASTM D5185m >50 8 0 Aluminum ppm ASTM D5185m >50 8 0 Qopper ppm ASTM D5185m >50 8 0 Vanadium ppm ASTM D5185m >0 0 Vanadium ppm ASTM D5185m >0 0 Vanadium ppm ASTM D5185m >20 4 Vanadium ppm		Sample Status				NORMAL	NORMAL	
Air component wear rates are normal. Chromium pm ASTM D516s >5 Q <1	WEAR	PQ		ASTM D8184	>50	20	23	
Chromium pm ASTM 0586m >5 0 <1 Nickel pm ASTM 0585m >0 0 Titanium pm ASTM 0585m >0 0 Situ 0 ASTM 0585m >0 0 0 Murinum pm ASTM 0585m >50 80 0 Aluminum pm ASTM 0585m >50 80 0 Copper pm ASTM 0585m >50 80 0 Copper pm ASTM 0585m >20 80 0 Vandium pm ASTM 0585m >20 80 0 Vandium den scalar Visual NOR NORE Vandum den scalar Visual NOR NORE Vandum den scalar Visual NOR NORE Vandum den scalar Visual NOR NORE	All component wear rates are normal	Iron	ppm	ASTM D5185m	>160	38	22	
TitaniumpmASTM D5185m00SilverpmASTM D5185m>5060<10<AluminumpmASTM D5185m>50680<LeadpmASTM D5185m>206866<CopperpmASTM D5185m>2024<VanadiumppmASTM D5185m>1000<VanadiumppmASTM D5185m>1000<VanadiumppmASTM D5185m>1000<VanadiumppmASTM D5185m>1000<VanadiumppmASTM D5185m>1000<VanadiumppmASTM D5185m>1000<VanadiumppmASTM D5185m>1000<VanadiumppmASTM D5185m>20ASTM D5185mNONENONE<VanadiumppmASTM D5185m>20ASTM D5185mNONENONE<StiliconppmASTM D5185m>20ASTM D5185m>20ASTM D5185m<There is no indication of any contamination in the fluid.StiliconppmASTM D5185m>20ASTM D5185mNONENONE<StiliconscalarVisualNONENONENONENONENONENONE<AppearancescalarVisualNORMNORMLNORML <t< th=""><th>Air component wear rates are normal.</th><th>Chromium</th><th>ppm</th><th>ASTM D5185m</th><th>>5</th><th>0</th><th><1</th><th></th></t<>	Air component wear rates are normal.	Chromium	ppm	ASTM D5185m	>5	0	<1	
Silver ppm ASTM D5185m >50 0 <1		Nickel	ppm	ASTM D5185m	>5	0	0	
Aluminum ppm ASTM D518m >50 8 0 Lead pm ASTM D518m >50 8 6 Copper pm ASTM D518m >225 20 24 Tin pm ASTM D518m >10 0 Vanad pm ASTM D518m >10 NONE NONE Value pm ASTM D518m >20 A 4 Value pm ASTM D518m >20 A 4 CONTAMINATION pm ASTM D518m >20 A 4 There is no indication of any contamination in the fluid. fm fdaasiti Visual NORE <th></th> <th>Titanium</th> <th>ppm</th> <th>ASTM D5185m</th> <th></th> <th>0</th> <th>0</th> <th></th>		Titanium	ppm	ASTM D5185m		0	0	
LeadppmASTM D518m>5086CopperppmASTM D518m>2252024TinppmASTM D518m>100<VanadiumppmASTM D518m>100<White Metalscalar"VisualNONENONENONEYellow Metalscalar"VisualNONENONENONENoneppmASTM D518m>2024Yellow Metalscalar"VisualNONENONENONEYellow Metalscalar"VisualNONENONENONEYellow Metalscalar"VisualNONENONENONENere is no indication of any contamination in the fluid.PpmASTM D518m>202424WaterWaterWaterWC Method>.01NONENONESilitscalar"VisualNONENONENONEAppearancescalar"VisualNORENONENONEQorscalar"VisualNORENORENOREMaterScalar"VisualNORENORENONESolarScalar"VisualNORENORENOREMater		Silver	ppm	ASTM D5185m	>5	0	<1	
CopperppmASTM D5185>22520244TinppmASTM D5185>100<1<VanadiumppmASTM D5185NONENONE0<VanadiumscalarVisualNONENONENONE<White MetalscalarVisualNONENONENONE<Vellow MetalscalarVisualNONEAf4.4PotassiumpmASTM D5185>20222MeterVisualNONEScalarVisualNONENONESiliconpmASTM D5185>20222WaterVisualNONENONENONESilitonscalarVisualNONENONENONESilitonscalarVisualNONENONESilitonscalarVisualNONENONESilitonscalarVisualNONENONESilitonscalarVisualNONENONEOdorscalarVisualNORENONENONEAppearancescalarVisualNORENORENORENoreNOREscalarVisualNORENORENOREMotionscalarVisualNORENORENORENORE <td< th=""><th></th><th>Aluminum</th><th>ppm</th><th>ASTM D5185m</th><th>>50</th><th>8</th><th>0</th><th></th></td<>		Aluminum	ppm	ASTM D5185m	>50	8	0	
TinppmASTM D5185m>100<1		Lead	ppm	ASTM D5185m	>50	8	6	
VanadiumppmASTM D5185m00White Metalscalar*VisualNONENONENONEYellow Metalscalar*VisualNONENONENONEYellow Metalscalar*VisualNONEASTM D5185m>2044NoneppmASTM D5185m>20222PotassiumppmASTM D5185m>202022WaterWC Method>0.1NEGNONENONESiliconscalar*VisualNONENONENONEWaterWC Method>0.1NEGNONESiliconscalar*VisualNONENONENONEDebrisscalar*VisualNONENONENONESand/Dirtscalar*VisualNONENONENONEAppearancescalar*VisualNORMNORMLDodorscalar*VisualNORMNORMLEnulsified Waterscalar*VisualNORMNORMLNoneScalar*VisualNORMNORMLBoronppmASTM D5185m000BariumppmASTM D5185m001		Copper	ppm	ASTM D5185m	>225	20	24	
White Metal Yellow Metalscalar*VisualNONENONENONEYellow Metalscalar*VisualNONENONENONECONTAMINATIONSiliconppmASTM D5185>2044There is no indication of any contamination in the fluid.PotassiumppmASTM D5185>2022WaterWC Method>.0.1NEGNONENONESilitscalar*VisualNONENONENONEDebrisscalar*VisualNONENONENONEAppearancescalar*VisualNORHNORHNONEMotioscalar*VisualNORHNONENONEMotioscalar*VisualNONENONENONESand/Dirtscalar*VisualNORHNORHNORHMotioscalar*VisualNORHNORHNORHAppearancescalar*VisualNORHNORHNORHOdorscalar*VisualNORHNORHNORHNORHFLUID CONDITIONScalarscalar*VisualNORHNORHNORHBoronppmASTM D5185133107122BariumppmASTM D5185001 <th></th> <th>Tin</th> <th>ppm</th> <th>ASTM D5185m</th> <th>>10</th> <th>0</th> <th><1</th> <th></th>		Tin	ppm	ASTM D5185m	>10	0	<1	
Yellow Metalscalar'VisualNONENONENONECONTAMINATIONSiliconppmASTM D5185m>2044There is no indication of any contamination in the fluid.PotassiumppmASTM D5185m>2022WaterWC Metho>0.1NEGNEGSilitscalar'VisualNONENONEDebrisscalar'VisualNONENONESand/Dirtscalar'VisualNONENONEAppearancescalar'VisualNORMLNORMLNORMLOdorscalar'VisualNORMLNORMLNORMLFLUID CONDITIONSodiumppmASTM D5185m-50.1RG6BariumppmASTM D5185m133107122BariumppmASTM D5185m001		Vanadium	ppm	ASTM D5185m		0	0	
CONTAMINATION Silicon ppm ASTM D5185m >20 4 4 Potassium ppm ASTM D5185m >20 2 2 Water WC Method >0.1 NEG NEG Silt scalar *Visual NONE NONE NONE Debris scalar *Visual NONE NONE NONE Appearance scalar *Visual NOR NORM NORML Odor scalar *Visual NOR NORML NORML Emulsified Water scalar *Visual NOR NORML NORML FLUID CONDITION Sodium ppm ASTM D5185m 0 6 Boron ppm ASTM D5185m 133 107 122 Barium ppm ASTM D5185m 0 0 1		White Metal	scalar	*Visual	NONE	NONE	NONE	
Potassium ppm ASTM D5185m >20 2 2 Water WC Method >0.1 NEG NEG Silt scalar *Visual NONE NONE NONE Debris scalar *Visual NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE Appearance scalar *Visual NORM NORML NORML Odor scalar *Visual NORM NORML NORML Emulsified Wate scalar *Visual NORM NORML FLUID CONDITION Sodium ppm ASTM D5185m 6 Boron ppm ASTM D5185m 133 107 122 Barium ppm ASTM D5185m 0 0 1		Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Potassium ppm ASTM D5185m >20 2 2 Water WC Method >0.1 NEG NEG Silt scalar *Visual NONE NONE NONE Debris scalar *Visual NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE Appearance scalar *Visual NORM NORML NORML Odor scalar *Visual NORM NORML NORML Emulsified Wate scalar *Visual NORM NORML FLUID CONDITION Sodium ppm ASTM D5185m 6 Boron ppm ASTM D5185m 133 107 122 Barium ppm ASTM D5185m 0 0 1	CONTAMINATION	Silicon	nnm	ASTM D5185m	>20	Д	4	
Water WC Method >0.1 NEG NEG Silt scalar *Visual NONE NONE NONE Debris scalar *Visual NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE Appearance scalar *Visual NORM NORM NORML Odor scalar *Visual NORM NORML NORML Odor scalar *Visual NORM NORML NORML Emulsified Water scalar *Visual NORML NORML The condition of the fluid is acceptable for the time in service. Sodium ppm ASTM D5185m 133 107 122 Barium ppm ASTM D5185m 0 0 1								
Siltscalar*VisualNONENONENONEDebrisscalar*VisualNONENONENONESand/Dirtscalar*VisualNONENONENONEAppearancescalar*VisualNORMNORMLNORMLOdorscalar*VisualNORMNORMLNORMLEmulsified Waterscalar*VisualNORMNORMLNORMLFLUID CONDITIONSodiumppmASTM D5185m133107122The condition of the fluid is acceptable for the time in service.ppmASTM D5185m133107122BariumppmASTM D5185m001	There is no indication of any contamination in the fluid.		ppin					
Debrisscalar*VisualNONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Watescalar*VisualNORMLNORMLNORMLFLUID CONDITIONSodiumscalar*Visual0.16BoronppmASTM D5185m133107122BariumppmASTM D5185m001			scalar					
Sand/Dirtscalar*VisualNONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Watescalar*VisualNORMLNORMLNORMLFLUID CONDITIONSodiumppmASTM D5185mf66BoronppmASTM D5185m133107122BariumppmASTM D5185m001								
Appearancescalar*VisualNORMLNORMLNORMLNORMLNORMLIOdorscalar*VisualNORMLNORMLNORMLNORMLII		Sand/Dirt		*Visual	NONE	NONE	NONE	
Emulsified Wate scalar *Visual >0.1 NEG NEG FLUID CONDITION Sodium ppm ASTM D5185m 6 6 The condition of the fluid is acceptable for the time in service. Boron ppm ASTM D5185m 133 107 122 Barium ppm ASTM D5185m 0 0 1		Appearance	scalar	*Visual	NORML	NORML	NORML	
FLUID CONDITION Sodium ppm ASTM D5185m 6 6 The condition of the fluid is acceptable for the time in service. Boron ppm ASTM D5185m 133 107 122 Barium ppm ASTM D5185m 0 0 1		Odor	scalar	*Visual	NORML	NORML	NORML	
Boron ppm ASTM D5185m 133 107 122 Barium ppm ASTM D5185m 0 0 1		Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	
Boron ppm ASTM D5185m 133 107 122 Barium ppm ASTM D5185m 0 0 1		Sodium		ACTM DE105m		с	6	
Barium ppm ASTM D5185m 0 0 1					133			
	The condition of the fluid is acceptable for the time in service.							
Manganese ppm ASTM D5185m 2 4		-			0			
Magnesium ppm ASTM D5185m Q <1		-			0			
Calcium ppm ASTM D5185m 27 91 40		-						
Phosphorus ppm ASTM D5185m 293 277 270								
Zinc ppm ASTM D5185m 0 10 0								

Sulfur

Visc @ 40°C

Contact/Location: DAVID SKINNER - JAMBUR

1206

36.3

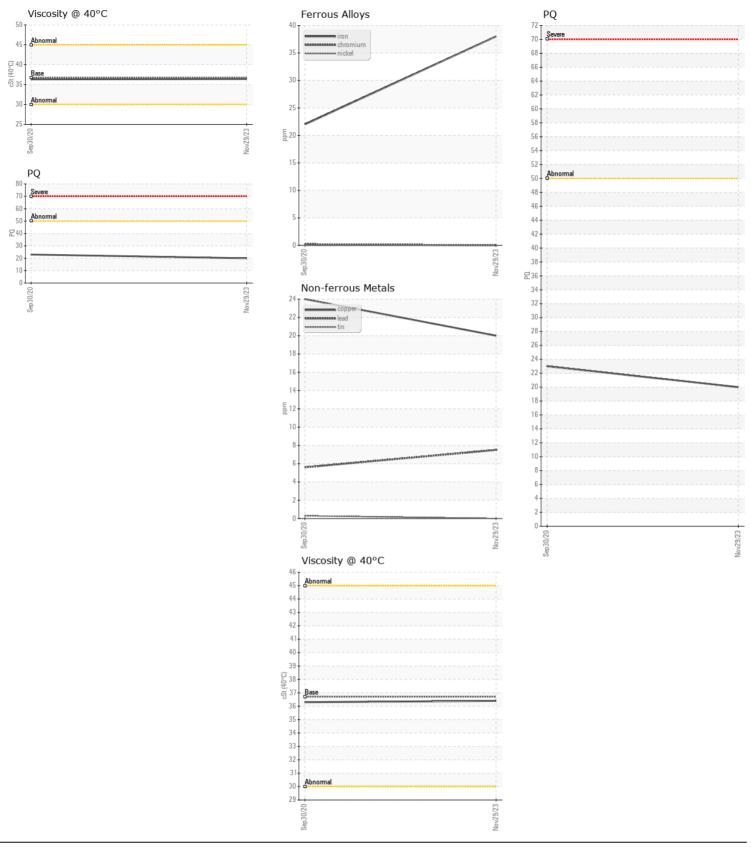
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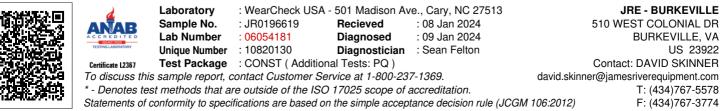
36.4

ppm ASTM D5185m 1050

ASTM D445 36.7

cSt





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