

Machine Id JOHN DEERE 318G 1T0318GKTNJ420158 Component Hydraulic System Fluid JOHN DEERE HYDRAU (--- GAL)

RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

WEAR

The iron level is abnormal.

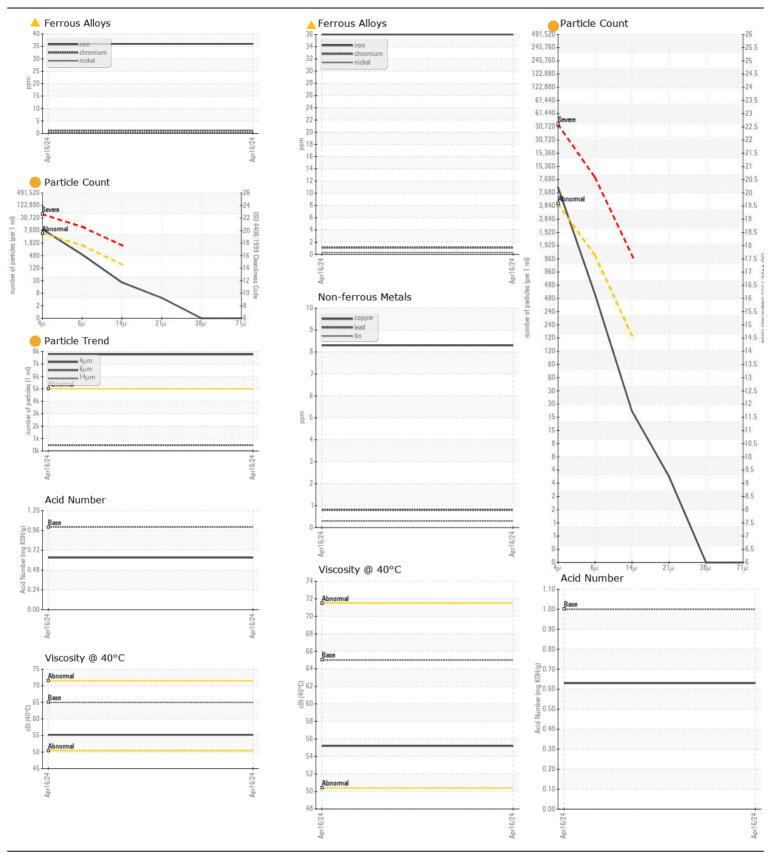
CONTAMINATION

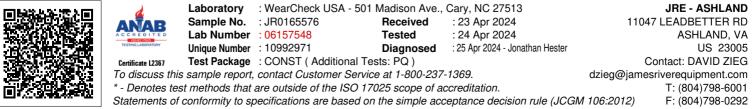
There is a moderate amount of silt (particulates < 6 microns in size) present in the oil.

FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oils additive package is suitable for further service.

TestUOMMethodLimi/AbCurrentHistory1History2Sample DumberClient Info16 Apr24Machine AgehrsClient Info988Oil AgehrsClient Info988Oil ChangedClient Info988Oil ChangedClient InfoChangedOil ChangedClient InfoChangedSample StatusClient InfoChangedSample StatusASTM D5185>101PQASTM D5185>101NickelppmASTM D5185>101SilverppmASTM D5185>103SilverppmASTM D5185>103SilverppmASTM D5185>103QanadiumppmASTM D5185>103YanadiumppmASTM D5185>10-1Yellow Metalscalar'VisualNONENONEYellow Metalscalar'VisualNONENONEYellow Metalscalar'VisualNONENONEYellow Metalscalar'VisualNONENONEYellow Metalscalar'Visual							
Sample Date Client Info 16 Apr 2024 Machine Age hrs Client Info 988 Oil Age hrs Client Info 0 Oil Changed Client Info Changed Oil Changed Client Info Changed Sample Status RNORMAL PQ ASTM D8184 21 Iron ppm ASTM D5185m >10 1 Nickel ppm ASTM D5185m >10 -1 Silver ppm ASTM D5185m >10 -1 Silver ppm ASTM D5185m >10 -1 Silver ppm ASTM D5185m >10 <1	Test	UOM	Method	Limit/Abn	Current	History1	History2
Machine Age hrs Client Info 988 Cil Age hrs Client Info 0 Filter Age hrs Client Info Changed Filter Changed Client Info Changed Sample Status ABNORMAL PQ ASTM D5185m >20 A 36 Nickel ppm ASTM D5185m >10 -1 Nickel ppm ASTM D5185m >10 -1 Aluminum ppm ASTM D5185m >10 -1 Lead ppm ASTM D5185m >10 <1 Vanadium pm ASTM D5185m >10 <1 Vanadium pm ASTM D5185m >20 8	Sample Number		Client Info		JR0165576		
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Oil Changed Filter Changed Sample Status Client Info Client Info Changed Changed ABNORMAL	Oil Age	hrs	Client Info		988		
Filter Changed Sample Status Client Info Changed ABNORMAL PQ ASTM D8184 21 Iron ppm ASTM D5185m >20 A 36 Nickel ppm ASTM D5185m >10 1 Nickel ppm ASTM D5185m >10 <1 Silver ppm ASTM D5185m >10 3 Lead ppm ASTM D5185m >10 <1 Vanadium ppm ASTM D5185m >10 <1 Vanadum ppm ASTM D5185m >10 <1 Vanadum ppm ASTM D5185m >10 <1 Vanadum ppm ASTM D5185m >20 8 Vellow Metal scalar *Visual NONE NONE <t< th=""><th>Filter Age</th><th>hrs</th><th>Client Info</th><th></th><th>0</th><th></th><th></th></t<>	Filter Age	hrs	Client Info		0		
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Tin ppm ASTM D5185m >10 <1	Lead	ppm	ASTM D5185m	>10	<1		
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Yellow Metal scalar *Visual NONE NONE Silicon ppm ASTM D5185m >20 2 Potassium ppm ASTM D5185m >20 2 Water WC Method >0.1 NEG Particles >4µm ASTM D7647 >5000 7768 Particles >6µm ASTM D7647 >100 470 Particles >38µm ASTM D7647 >40 4 Particles >38µm ASTM D7647 >10 0 Particles >71µm ASTM D7647 >3 0 Solt scalar *Visual NONE NONE Silt scalar *Visual NONE NONE Sodium scalar *Visual NORM NORML <td< th=""><th>Vanadium</th><th>ppm</th><th>ASTM D5185m</th><th></th><th><1</th><th></th><th></th></td<>	Vanadium	ppm	ASTM D5185m		<1		
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Particles >71µm ASTM D7647 >3 0 Oil Cleanliness ISO 4406 (c) >19/17/14 •20/16/12 Silt scalar *Visual NONE NONE Debris scalar *Visual NONE NONE Sand/Dirt scalar *Visual NONE NONE Appearance scalar *Visual NORK NORML Odor scalar *Visual NORK NORML Godor scalar *Visual NORK NORML Molydot scalar *Visual NORK NORML Sodium ppm ASTM D5185m 0 Boron ppm ASTM D5185m 0 Molybdenum ppm ASTM D5185m <t< th=""><th>Particles >21µm</th><th></th><th>ASTM D7647</th><th>>40</th><th>4</th><th></th><th></th></t<>	Particles >21µm		ASTM D7647	>40	4		
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Boron ppm ASTM D5185m 0 Barium ppm ASTM D5185m 0 Molybdenum ppm ASTM D5185m 0 Manganese ppm ASTM D5185m <1 Magnesium ppm ASTM D5185m <1 Magnesium ppm ASTM D5185m <1 Calcium ppm ASTM D5185m 7 < < Phosphorus ppm ASTM D5185m 727 611 < < Zinc ppm ASTM D5185m 900 820 < < Sulfur ppm ASTM D5185m 1500 1926 < < Acid Number (AN) mg KOH/g ASTM D8045 1.0 0.633 < <							
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Manganese ppm ASTM D5185m <1							
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Zinc ppm ASTM D5185m 900 820 Sulfur ppm ASTM D5185m 1500 1926 Acid Number (AN) mg KOH/g ASTM D8045 1.0 0.63	Calcium	ppm					
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Acid Number (AN) mg KOH/g ASTM D8045 1.0 0.63	-	ppm	ASTM D5185m				
		ppm	ASTM D5185m	1500	1926		
Visc @ 40°C cSt ASTM D445 65 55.2	. ,	mg KOH/g		1.0			
	Visc @ 40°C	cSt	ASTM D445	65	55.2		





Contact/Location: DAVID ZIEG - JAMASH Page 2 of 2