

Machine Id JOHN DEERE 323E 1T0323EJCJJ325814 Component Hydraulic System 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.



All component wear rates are normal.

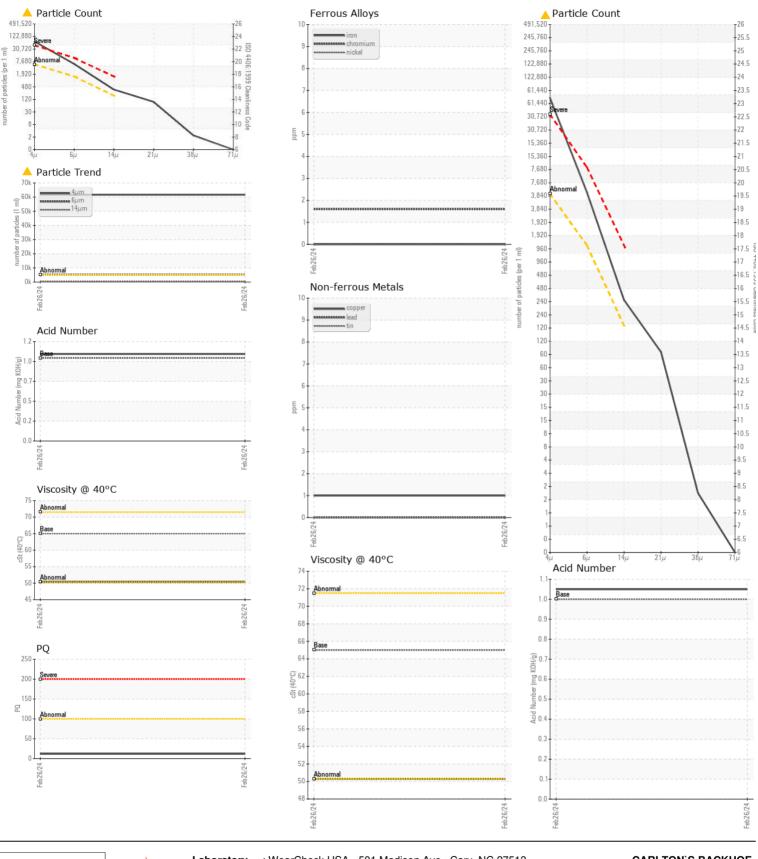
CONTAMINATION

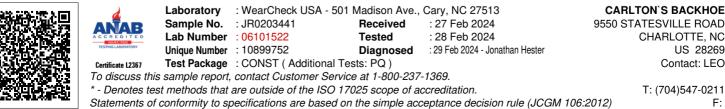
There is a high amount of particulates present in the oil.

FLUID CONDITION

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

Test UOM Method Limit/Ab Current History1 History2 Sample Dumber Client Info JR0203441 Machine Age hrs Client Info 0 Machine Age hrs Client Info 0 Oil Age hrs Client Info 0 Filter Age hrs Client Info Changed Sample Status ABNORMA Sample Status ASTM D5185m >10 0 Chromium ppm ASTM D5185m >10 0 Nickel ppm ASTM D5185m >10 0 Aluminum ppm ASTM D5185m >10 0 Sliver ppm ASTM D5185m >10 0							
Sample Date Client Info 26 Feb 2024 Machine Age hrs Client Info 0 Oil Age hrs Client Info 0 Oil Changed Client Info 0 Oil Changed Client Info Changed Sitte Changed Client Info Changed Sample Status RND Stiffs >20 Nickel ppm ASTM D5185m >10 0 Silver ppm ASTM D5185m >20 -1 Vana	Test	UOM	Method	Limit/Abn	Current	History1	History2
Machine Age Oil Age Filter Age Filter Age Filter Age Filter Age Filter Age Oil Changed Client Info 6236 O Filter Age Filter Age Sample Status hrs Client Info O Filter Age Filter Changed Client Info Changed Sample Status Client Info Changed PQ ASTM D8184 12 Nickel ppm ASTM D5185m >10 2 Nickel ppm ASTM D5185m >10 0 Silver ppm ASTM D5185m >10 0 Lead ppm ASTM D5185m >10 0 Vanadum ppm ASTM D5185m >10 0 Vanadum ppm ASTM D5185m >20 0 Vanadum ppm ASTM D5185m >20	Sample Number		Client Info		JR0203441		
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Filter Changed Sample Status Client Info Changed ABNORMAL PQ ASTM D8184 12 Iron ppm ASTM D5185m >20 0 Nickel ppm ASTM D5185m >10 2 Nickel ppm ASTM D5185m 0 Silver ppm ASTM D5185m 0 Aluminum ppm ASTM D5185m >10 0 Lead ppm ASTM D5185m >10 0 Vanadium pm ASTM D5185m >10 0 Vellow Metal scalar *Visual NONE LIGHT Vellow Metal scalar *Visual NONE Vellow Metal scalar *Visual NONE Particles >4µm ASTM D7647	Filter Age	hrs	Client Info		0		
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Copper ppm ASTM D5185m >75 1 Tin ppm ASTM D5185m >10 0 Vanadium ppm ASTM D5185m 0 White Metal scalar *Visual NONE LIGHT Yellow Metal scalar *Visual NONE NONE Silicon ppm ASTM D5185m >20 <1 Potassium ppm ASTM D5185m >20 0 Water WC Method >0.1 NEG Particles >4µm ASTM D7647 >100 4 61638 Particles >31µm ASTM D7647 >40 A 80 Particles >21µm ASTM D7647 >10 2 Soli Cleanliness ISO 4406 (c) >191714 4 23/20/15		ppm			-		
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Yellow Metal scalar *Visual NONE NONE Silicon ppm ASTM D5185m >20 0 Potassium ppm ASTM D5185m >20 0 Water WC Method >0.1 NEG Particles >4µm ASTM D7647 >5000 ▲ 61638 Particles >6µm ASTM D7647 >100 ▲ 5196 Particles >38µm ASTM D7647 >10 2 Particles >38µm ASTM D7647 >10 2 Particles >71µm ASTM D7647 >10 2 Silt scalar *Visual NONE Solt scalar *Visual NONE NONE Sodtor scalar *Visual NORM NORML					•		
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Boron ppm ASTM D5185m 0 Barium ppm ASTM D5185m 0 Molybdenum ppm ASTM D5185m 0 Molybdenum ppm ASTM D5185m 2 Manganese ppm ASTM D5185m Magnesium ppm ASTM D5185m Calcium ppm ASTM D5185m 739 Phosphorus ppm ASTM D5185m 727 557 Zinc ppm ASTM D5185m 900 724 Sulfur ppm ASTM D5185m 1500 1615 Acid Number (AN) mg KOH/g ASTM D8045 1.0 1.05							
Barium ppm ASTM D5185m 0 Molybdenum ppm ASTM D5185m 2 Manganese ppm ASTM D5185m <1	Sodium	ppm	ASTM D5185m		0		
Molybdenum ppm ASTM D5185m 2 Manganese ppm ASTM D5185m <1 Magnesium ppm ASTM D5185m 17 Calcium ppm ASTM D5185m 87 739 Phosphorus ppm ASTM D5185m 727 557 Zinc ppm ASTM D5185m 900 724 Sulfur ppm ASTM D5185m 1500 1615 Acid Number (AN) mg KOH/g ASTM D8045 1.0 1.05	Boron	ppm	ASTM D5185m		0		
Manganese ppm ASTM D5185m <1	Barium	ppm	ASTM D5185m		0		
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Zinc ppm ASTM D5185m 900 724 Sulfur ppm ASTM D5185m 1500 1615 Acid Number (AN) mg KOH/g ASTM D8045 1.0 1.05	Calcium	ppm	ASTM D5185m	87	739		
Sulfur ppm ASTM D5185m 1500 1615 Acid Number (AN) mg KOH/g ASTM D8045 1.0 1.05	Phosphorus	ppm	ASTM D5185m	727	557		
Acid Number (AN) mg KOH/g ASTM D8045 1.0 1.05		ppm	ASTM D5185m	900	724		
		ppm	ASTM D5185m	1500	1615		
Visc @ 40°C cSt ASTM D445 65 50.3		mg KOH/g		1.0			
	Visc @ 40°C	cSt	ASTM D445	65	50.3		





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Submitted By: Mike Young - CHARLOTTE SHOP