WEAR CONTAMINATION FLUID CONDITION

NORMAL ATTENTION NORMAL

Machine Id

WIRTGEN W120FTI 27100213

Hydraulic System

{not provided} (--- GAL)

Test Commended at this time. Resample at the next service interval to monitor.	{not provided} (GAL)							
No corrective action is recommended at this time. Resample at the next service interval to monitor. Machine Age Citient Info Sample Date Citient Info Sample Citient	RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
next service interval to monitor. Machine Age	No corrective action is recommended at this time. Resample at the	Sample Number		Client Info				
Machine Age Ins Client Info 0		Sample Date		Client Info		17 Apr 2024		
Oil Age		Machine Age	hrs	Client Info		57		
Filter Age		Oil Age	hrs	Client Info		0		
Filter Changed Sample Status Sample Stat		Filter Age	hrs	Client Info		0		
Filter Changed Sample Status Sample Stat		Oil Changed		Client Info		Not Changd		
Name		-		Client Info		•		
Iron		Sample Status				ATTENTION		
Iron	WEAD							
All component wear rates are normal. Chromium ppm ASTM D6185m >10 <1	WEAR				00			
Nickel ppm ASTM D5185m >1	All component wear rates are normal.							
Titanium								
Silver					>10			
Aluminum ppm ASTM 05185m >10 2								
Lead ppm ASTM D5185m >1 0								
Copper ppm ASTM D6185m >75 2 Tin ppm ASTM D6185m >10 <1 ASTM D6185m >10 <1 ASTM D6185m >10 <1 ASTM D6185m >10 <1 ASTM D6185m >10 <1 ASTM D6185m >10 <1 ASTM D6185m >10 <1 ASTM D6185m >10 <1 ASTM D6185m >10 <1 ASTM D6185m >10 <1 ASTM D6185m >10 <1 ASTM D6185m >20 0								
Tin								
Vanadium ppm ASTM D5185m C1 CONTAMINATION There is a moderate amount of silt (particulates < 6 microns in size) Potassium ppm ASTM D5185m >20 6 C2 C3 C3 C3 C3 C4 C4 C4 C4								
White Metal Scalar *Visual NONE NONE *** *** NONE NONE *** *** *** *** NONE NONE *** *** *** NONE NONE *** *** *** NONE					>10			
Yellow Metal Scalar Visual NONE NONE Silicon ppm ASTM D5185m >20 6 Potassium ppm ASTM D5185m >20 2 Visual NONE NONE Particles ASTM D7647 >10 NEG Particles >6								
Silicon ppm ASTM D5185m >20 6								
Potassium ppm ASTM D5185m ≥20 2 Water Particles ≥4μm ASTM D7647 ≥5000 ₹7374 Particles ≥4μm ASTM D7647 ≥5000 ₹7374 Particles ≥14μm ASTM D7647 ≥5000 ₹7374 Particles ≥14μm ASTM D7647 ≥5000 ₹7374 Particles ≥14μm ASTM D7647 ≥5000 ₹7374 Particles ≥31μm ASTM D7647 ≥5000 ≥590 Particles ≥31μm ASTM D7647 ≥5000 ≥590 Particles ≥4μm ASTM D7647 ≥500 ≥590 ≥590 ≥590 ≥590 ≥590 ≥590 ≥590		Yellow Metal	scalar	*Visual	NONE	NONE		
Potassium ppm ASTM D5185m ≥20 2 Water Particles ≥4μm ASTM D7647 ≥5000 ₹7374 Particles ≥4μm ASTM D7647 ≥5000 ₹7374 Particles ≥14μm ASTM D7647 ≥5000 ₹7374 Particles ≥14μm ASTM D7647 ≥5000 ₹7374 Particles ≥14μm ASTM D7647 ≥5000 ₹7374 Particles ≥31μm ASTM D7647 ≥5000 ≥590 Particles ≥31μm ASTM D7647 ≥5000 ≥590 Particles ≥4μm ASTM D7647 ≥500 ≥590 ≥590 ≥590 ≥590 ≥590 ≥590 ≥590	CONTAMINATION	Silicon	nnm	ASTM D5185m	>20	6		
Water WC Method >0.1 NEG NEG	CONTAMINATION							
Particles >4µm Particles >6µm ASTM D7647 >100 S9 Particles >6µm Particles >21µm ASTM D7647 >40 20 Particles >71µm ASTM D7647 >40 20 Particles >71µm ASTM D7647 >30 0 Particles >71µm ASTM D7647 >30 0 Particles >71µm ASTM D7647 >30 0 Particles >71µm ASTM D7647 >30 Particles >71µm Particles >71µm ASTM D7647 >30 Particles >71µm ASTM D7647 >30 Particles >71µm Particles ×71µm			ррпп					
Particles > 6µm								
Particles >14μm								
Particles > 21 µm								
Particles >38μm ASTM D7647 >10 1 Particles >71μm ASTM D7647 >3 0 Oil Cleanliness ISO 4406 (c) √9/17/14 20/17/13 Silt Scalar *Visual NONE NONE Debris Scalar *Visual NONE NONE NONE Sand/Dirt Scalar *Visual NONE NONE NONE Sand/Dirt Scalar *Visual NONE NONE NONE Appearance Scalar *Visual NORML								
Particles > 71 μm ASTM D7647 >3 0 Oil Cleanliness ISO 4406 (c) >1917/14 20/17/13 Silt Scalar *Visual NONE NONE Debris Scalar *Visual NONE NONE Sand/Dirt Scalar *Visual NONE NONE Appearance Scalar *Visual NORML								
Oil Cleanliness ISO 4406 (c) >19/17/14								
Silt Scalar *Visual NONE NONE NONE Sand/Dirt Scalar *Visual NONE NONE NONE Sand/Dirt Scalar *Visual NONE NONE Sand/Dirt Scalar *Visual NONE NONE Sand/Dirt Scalar *Visual NORM NORM NORM Scalar *Visual NORM								
Debris Scalar *Visual NONE NONE NONE Sand/Dirt Scalar *Visual NONE NONE			scalar					
Sand/Dirt Scalar *Visual NONE NONE Appearance Scalar *Visual NORML						_		
Appearance Scalar *Visual NORML NORM								
Odor Scalar *Visual NORML NORML NORML Emulsified Water Scalar *Visual >0.1 NEG								
Emulsified Water scalar *Visual >0.1 NEG		• • •						
Sodium ppm ASTM D5185m 0						_		
Boron ppm ASTM D5185m c1								
Barium ppm ASTM D5185m 1 Molybdenum ppm ASTM D5185m 1 Manganese ppm ASTM D5185m 1 Magnesium ppm ASTM D5185m 66 Calcium ppm ASTM D5185m 121 Phosphorus ppm ASTM D5185m 287 Zinc ppm ASTM D5185m 354 Sulfur ppm ASTM D5185m 1081	FLUID CONDITION	Sodium	ppm			0		
Additive package is suitable for further service. Molybdenum ppm ASTM D5185m 1 Manganese ppm ASTM D5185m 66 Calcium ppm ASTM D5185m 121 Phosphorus ppm ASTM D5185m 287 Zinc ppm ASTM D5185m 354 Sulfur ppm ASTM D5185m 1081	The AND level is accomplete for this field. The condition of the elle		ppm	ASTM D5185m		<1		
Manganese ppm ASTM D5185m <1 Magnesium ppm ASTM D5185m 666 Calcium ppm ASTM D5185m 121 Phosphorus ppm ASTM D5185m 287 Zinc ppm ASTM D5185m 354 Sulfur ppm ASTM D5185m 1081	·		ppm			1		
Magnesium ppm ASTM D5185m 66 Calcium ppm ASTM D5185m 121 Phosphorus ppm ASTM D5185m 287 Zinc ppm ASTM D5185m 354 Sulfur ppm ASTM D5185m 1081		,	ppm			1		
Calcium ppm ASTM D5185m 121 Phosphorus ppm ASTM D5185m 287 Zinc ppm ASTM D5185m 354 Sulfur ppm ASTM D5185m 1081			ppm					
Phosphorus ppm ASTM D5185m 287 Zinc ppm ASTM D5185m 354 Sulfur ppm ASTM D5185m 1081		_	ppm					
Zinc ppm ASTM D5185m 354 Sulfur ppm ASTM D5185m 1081		Calcium	ppm					
Sulfur ppm ASTM D5185m 1081		Phosphorus	ppm			287		
			ppm			354		
A ' I N I I I I I I I I I I I I I I I I I						1081		
		Acid Number (AN)	mg KOH/g	ASTM D8045		0.46		
Visc @ 40°C cSt ASTM D445 45.5		Visc @ 40°C	cSt	ASTM D445		45.5		





Laboratory Sample No. Lab Number Unique Number: 10989185

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : JR0208210 : 06153762

Received **Tested** Diagnosed

: 18 Apr 2024 : 07 May 2024 : 07 May 2024 - Doug Bogart

JRE - STEPHENSON 245 YARDMASTER COURT STEPHENSON, VA US 22656-1761 Contact: PHIL DAUGHERTY

Test Package : CONST (Additional Tests: PQ) Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369.

pdaugherty@jamesriverequipment.com T: x:

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

F: (540)693-2588 Contact/Location: PHIL DAUGHERTY - JAMWIN