

WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL

Current

0 0

0 <1 0 0 NONE NONE

<1 3 NEG 1725 468

39 7 1 0 18/16/12 NONE NONE NONE NORML NORML NEG

3

654

866

1964

0.75

58.8

ASTM D5185m 900

ppm ASTM D5185m 1500

ppm

Acid Number (AN) mg KOH/g ASTM D8045 1.0

Visc @ 40°C cSt ASTM D445 65

JR0211862 17 Jun 2024 440 440 440 Not Changd Not Changd NORMAL

History1

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History2

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Machine Id

JOHN DEERE 310E 1DW310EXJNF713817

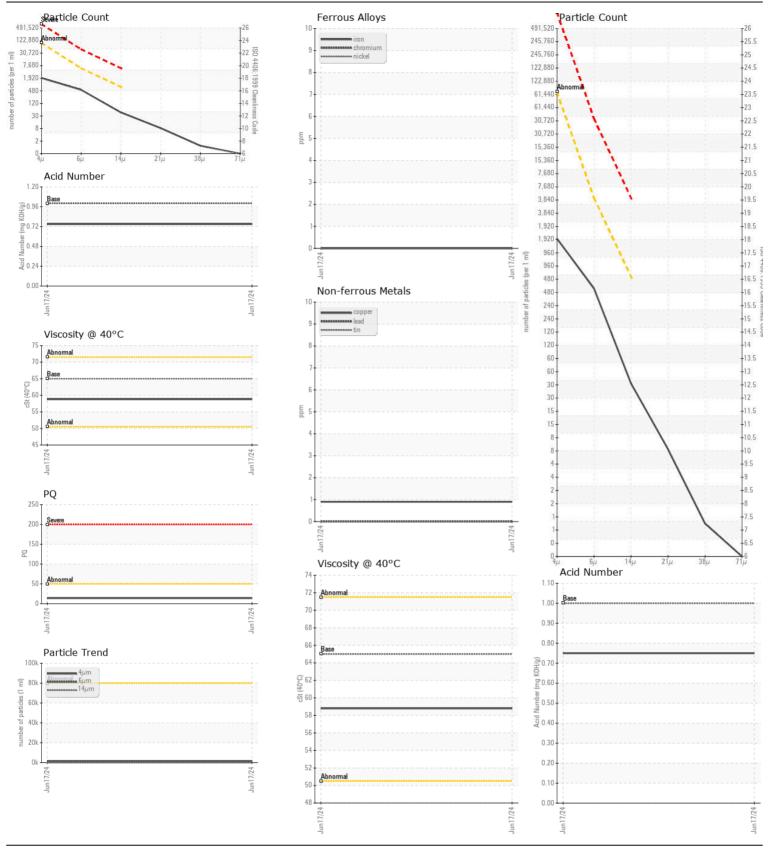
Hydraulic System

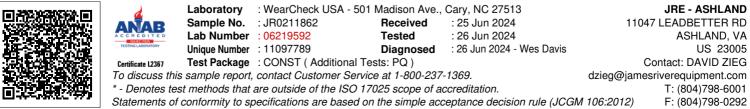
JOHN DEERE HYDRAU (--- GAL)

RECOMMENDATION	Test	UOM	Method	Limit/Abn
Resample at the next service interval to monitor.	Sample Number		Client Info	
Resample at the next service interval to monitor.	Sample Date		Client Info	
	Machine Age	hrs	Client Info	
	Oil Age	hrs	Client Info	
	Filter Age	hrs	Client Info	
	Oil Changed		Client Info	
	Filter Changed		Client Info	
	Sample Status			
WEAR	PQ		ASTM D8184	>50
All component wear rates are normal.	Iron	ppm	ASTM D5185m	
Air component wear rates are normal.	Chromium	ppm	ASTM D5185m	
	Nickel	ppm	ASTM D5185m	>6
	Titanium	ppm	ASTM D5185m	
	Silver	ppm	ASTM D5185m	
	Aluminum	ppm	ASTM D5185m	
	Lead	ppm	ASTM D5185m	
	Copper	ppm	ASTM D5185m	
	Tin	ppm	ASTM D5185m	>5
	Vanadium	ppm	ASTM D5185m	
	White Metal	scalar	*Visual	NONE
	Yellow Metal	scalar	*Visual	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.	Potassium	ppm	ASTM D5185m	
	Water		WC Method	>0.075
	Particles >4µm		ASTM D7647	
	Particles >6µm		ASTM D7647	>5000
	Particles >14µm		ASTM D7647	
	Particles >21µm		ASTM D7647	>160
	Particles >38µm		ASTM D7647	
	Particles >71µm		ASTM D7647	>10
	Oil Cleanliness		ISO 4406 (c)	
	Silt	scalar	*Visual	NONE
	Debris	scalar	*Visual	NONE
	Sand/Dirt	scalar	*Visual	NONE
	Appearance	scalar	*Visual	NORML
	Odor	scalar	*Visual	NORML
	Emulsified Water	scalar	*Visual	>0.075
	Sodium	nnm	ASTM D5185m	<u>_</u> 21
FLUID CONDITION	Boron	ppm	ASTM D5185m	261
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m	
		ppm	ASTM D5185m	
	Molybdenum	ppm		
	Manganese	ppm	ASTM D5185m	
	Magnesium	ppm	ASTM D5185m	07
	Calcium	ppm	ASTM D5185m	
	Phosphorus	ppm	ASTM D5185m	727

Zinc

Sulfur





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