

[W53146 CRANEMASTERS] JOHN DEERE 331G 1T0331GKJLF371355

Hydraulic System

JOHN DEERE HYDRAU (--- QTS)

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Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

FLUID CONDITION

Confirm oil type. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

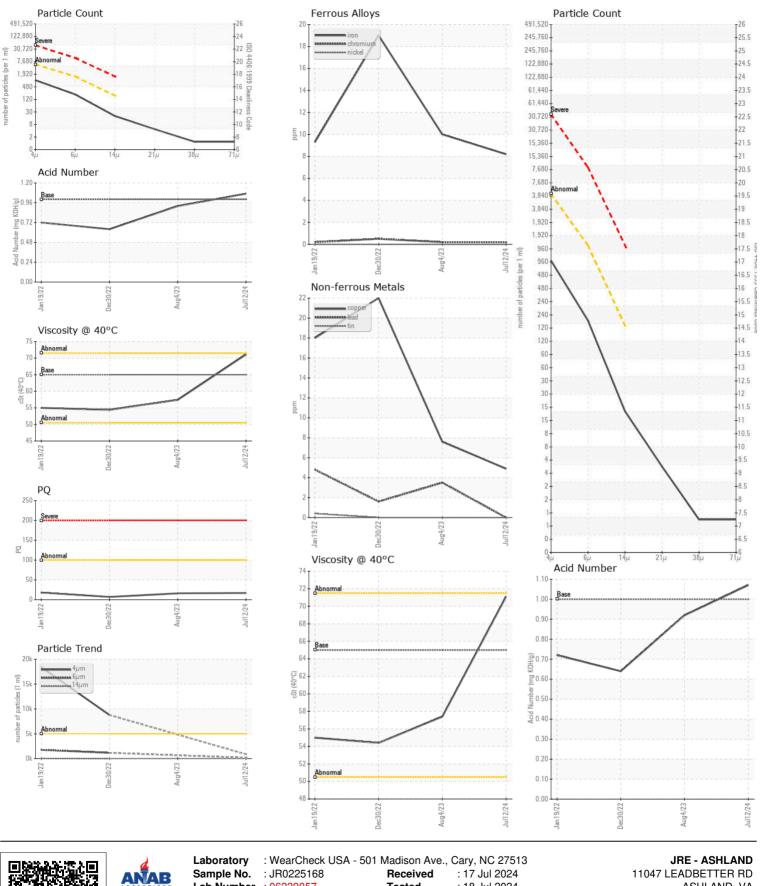
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0225168	JR0164293	JR0148035
Sample Date		Client Info		12 Jul 2024	04 Aug 2023	30 Dec 2022
Machine Age	hrs	Client Info		1938	1445	977
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		Changed	Not Changd	Changed
Sample Status				NORMAL	ABNORMAL	ATTENTION
PQ		ASTM D8184		17	16	7
Iron	ppm	ASTM D5185m	>20	8	10	9 19
Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	<1	<1	<1
Lead	ppm	ASTM D5185m	>10	0	4	2
Copper	ppm	ASTM D5185m	>75	5	8	22
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>20	4	2	3
Potassium	ppm	ASTM D5185m	>20	1	0	3
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>5000	875		8780
Particles >6µm		ASTM D7647	>1300	182		1166
Particles >14µm		ASTM D7647	>160	17		7
Particles >21µm		ASTM D7647	>40	4		1
Particles >38µm		ASTM D7647	>10	1		0
Particles >71µm		ASTM D7647	>3	1		0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	17/15/11		20/17/10
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	▲ MODER	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m		2	0	0
Boron		ASTM D5185m		40	0	0
Barium	ppm	ASTM D5185m		40	0	2
Molybdenum	ppm	ASTM D5185m		19	<1	4
Manganese	ppm	ASTM D5185m		0	0	4 <1
Magnesium	ppm	ASTM D5185m		266	32	52
Calcium	ppm		87	1024	124	
	ppm	ASTM D5185m	87 727			139
Phosphorus Zino	ppm	ASTM D5185m		786	641	624
Zinc	ppm	ASTM D5185m	900	940	929	824
Sulfur	ppm	ASTM D5185m	1500	2862	2325	1724
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	1.07	0.92	0.64

Visc @ 40°C cSt ASTM D445 65

57.4

54.4

71.1



Sample No. 11047 LEADBETTER RD Received : 17 Jul 2024 Lab Number : 06239057 ASHLAND, VA Tested : 18 Jul 2024 : 18 Jul 2024 - Don Baldridge US 23005 Unique Number : 11127891 Diagnosed Test Package : CONST (Additional Tests: PQ) Contact: DAVID ZIEG Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. dzieg@jamesriverequipment.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (804)798-6001 F: (804)798-0292 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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