



WEAR	NORMAL
CONTAMINATION	SEVERE
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 948L 1DW948LXJGF674846

Component
Rear Differential

Fluid
JOHN DEERE HY-GARD HYD/TRANS (28 GAL)

RECOMMENDATION

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

WEAR

All component wear rates are normal.

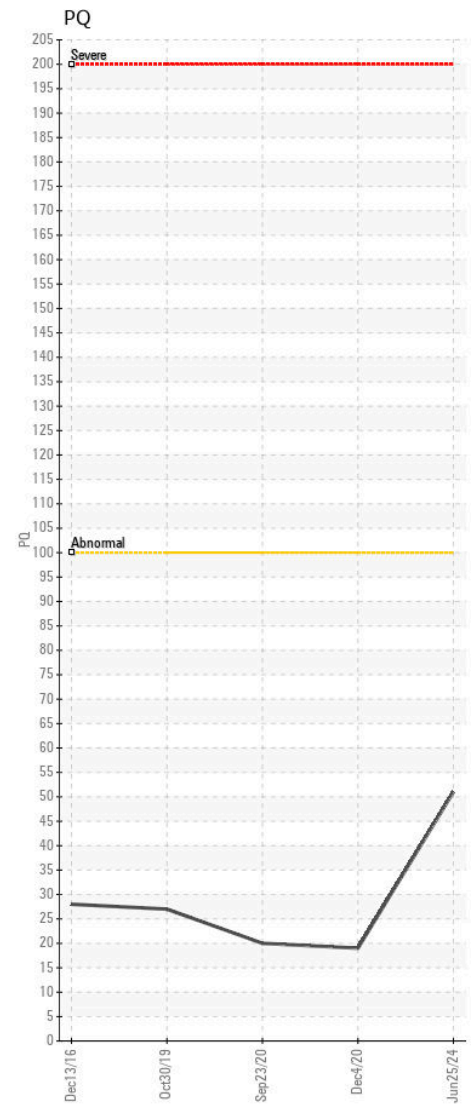
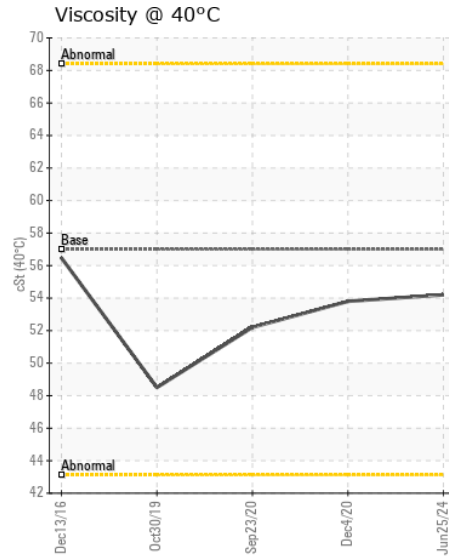
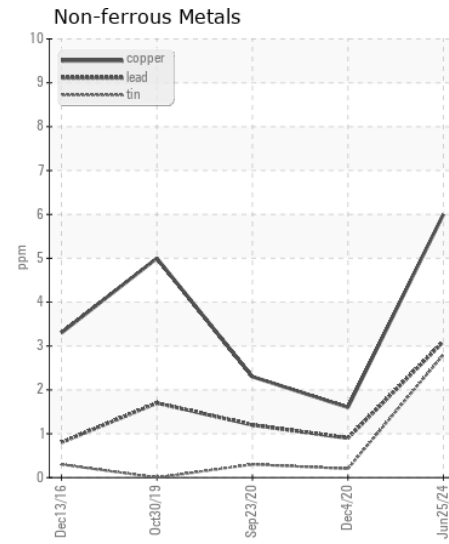
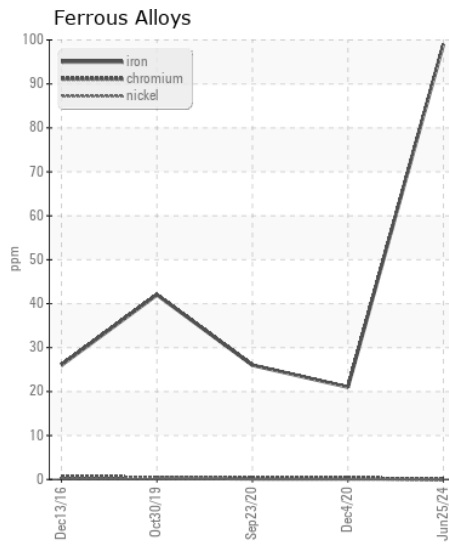
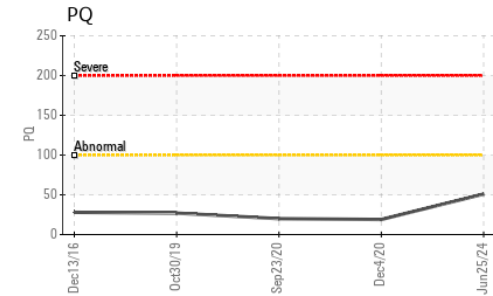
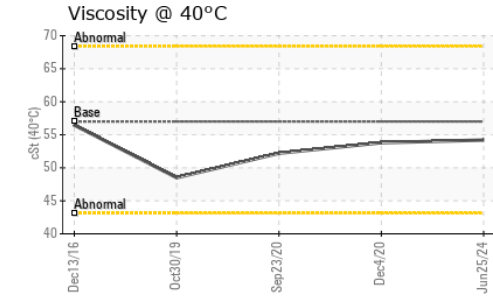
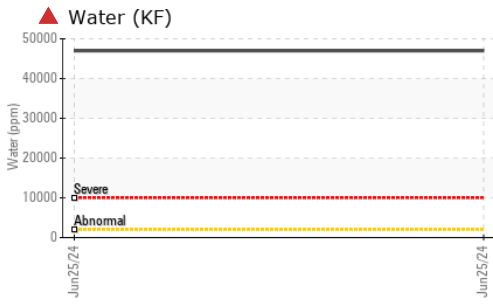
CONTAMINATION

Appearance is milky. There is a high concentration of water present in the oil.

FLUID CONDITION

The oil is no longer serviceable due to the presence of contaminants.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0212104	JR0067670	JR0060250
Sample Date		Client Info		25 Jun 2024	04 Dec 2020	23 Sep 2020
Machine Age	hrs	Client Info		9500	1496	4506
Oil Age	hrs	Client Info		0	1496	506
Filter Age	hrs	Client Info		0	0	506
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		Changed	Not Changd	Not Changd
Sample Status				SEVERE	NORMAL	NORMAL
PQ		ASTM D8184		51	19	20
Iron	ppm	ASTM D5185m	>500	99	21	26
Chromium	ppm	ASTM D5185m	>10	0	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	<1	1
Aluminum	ppm	ASTM D5185m	>25	19	<1	<1
Lead	ppm	ASTM D5185m	>25	3	<1	1
Copper	ppm	ASTM D5185m	>100	6	2	2
Tin	ppm	ASTM D5185m	>10	3	<1	<1
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	42	6	4
Potassium	ppm	ASTM D5185m	>20	4	<1	1
Water	%	ASTM D6304	>.2	▲ 4.70	---	---
ppm Water	ppm	ASTM D6304	>2000	▲ 47000	---	---
Silt	scalar	*Visual	NONE	MODER	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	● MILKY	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>.2	▲ 0.2%	NEG	NEG
Sodium	ppm	ASTM D5185m		1	2	1
Boron	ppm	ASTM D5185m	6	27	3	<1
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	1	<1	<1
Manganese	ppm	ASTM D5185m		1	<1	<1
Magnesium	ppm	ASTM D5185m	145	98	105	111
Calcium	ppm	ASTM D5185m	3570	3414	3384	3694
Phosphorus	ppm	ASTM D5185m	1290	1062	970	1040
Zinc	ppm	ASTM D5185m	1640	1310	1210	1280
Sulfur	ppm	ASTM D5185m		4640	2944	3177
Visc @ 40°C	cSt	ASTM D445	57.0	54.2	53.8	52.2



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0212104 **Received** : 26 Jun 2024
Lab Number : 06221558 **Tested** : 27 Jun 2024
Unique Number : 11099755 **Diagnosed** : 28 Jun 2024 - Don Baldrige
Test Package : CONST (Additional Tests: KF, PQ)

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - 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)

JRE - ASHLAND
 11047 LEADBETTER RD
 ASHLAND, VA
 US 23005
 Contact: DAVID ZIEG
 dzieg@jamesriverequipment.com
 T: (804)798-6001
 F: (804)798-0292