



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 948L 1DW948LXJGF674846
 Component
Front Differential
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (28 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0212105	JR0067671	JR0060249
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	1200	506
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		Changed	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		17	21	20
Iron	ppm	ASTM D5185m	>500	28	28	17
Chromium	ppm	ASTM D5185m	>10	0	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>25	<1	<1	<1
Lead	ppm	ASTM D5185m	>25	1	<1	1
Copper	ppm	ASTM D5185m	>100	6	3	1
Tin	ppm	ASTM D5185m	>10	0	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

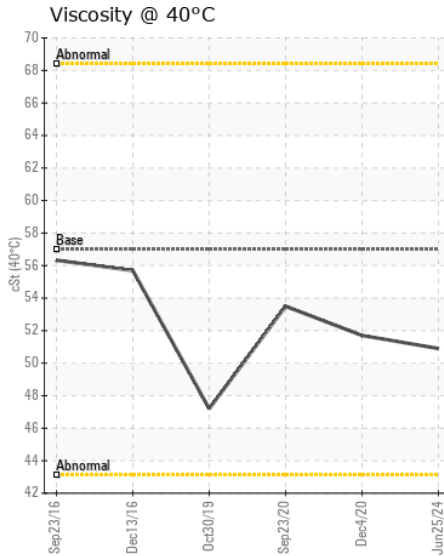
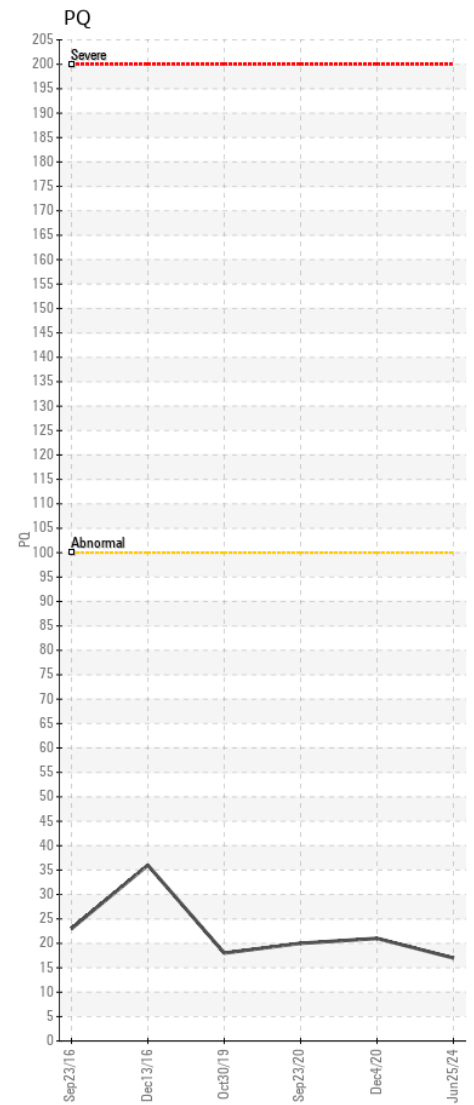
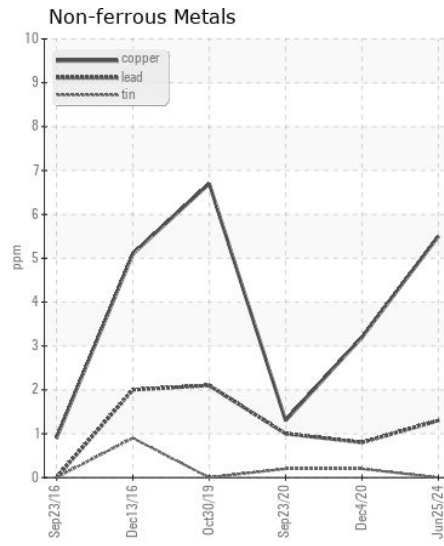
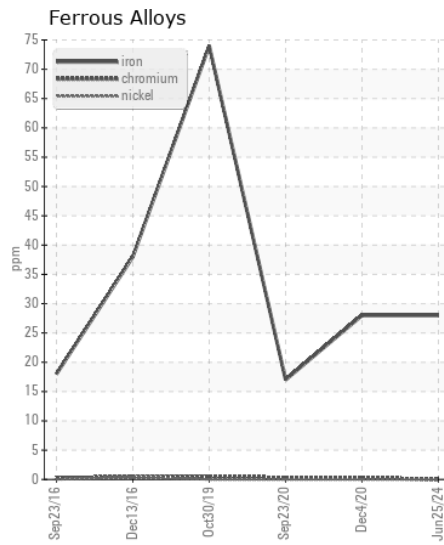
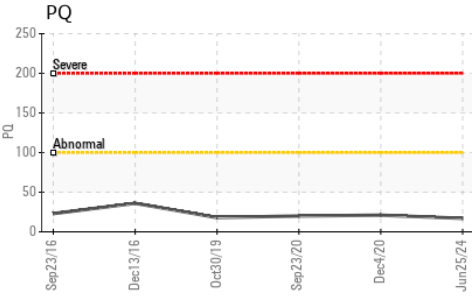
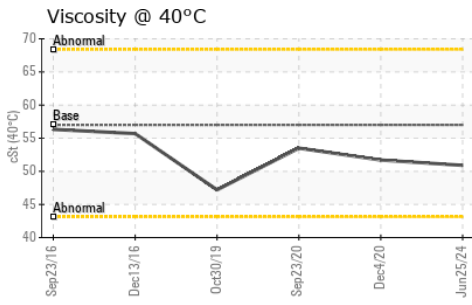
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	4	6	5
Potassium	ppm	ASTM D5185m	>20	<1	<1	<1
Water		WC Method	>.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	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	>.2	NEG	NEG	NEG

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		2	3	1
Boron	ppm	ASTM D5185m	6	6	3	0
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	85	110	104
Calcium	ppm	ASTM D5185m	3570	2909	3537	3371
Phosphorus	ppm	ASTM D5185m	1290	958	989	968
Zinc	ppm	ASTM D5185m	1640	1130	1229	1183
Sulfur	ppm	ASTM D5185m		4061	2959	2879
Visc @ 40°C	cSt	ASTM D445	57.0	50.9	51.7	53.5



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0212105 **Received** : 26 Jun 2024
Lab Number : 06221539 **Tested** : 27 Jun 2024
Unique Number : 11099736 **Diagnosed** : 27 Jun 2024 - Wes Davis
Test Package : CONST (Additional Tests: PQ)

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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)