



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

[W63372]

Machine Id

JOHN DEERE 700L 1T0700LXANF415495

Component

Hydraulic System

Fluid

JOHN DEERE HYDRAU XR (28 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: W63372)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0198830	JR0177532	JR0171896
Sample Date		Client Info		17 Jan 2024	23 Oct 2023	25 May 2023
Machine Age	hrs	Client Info		2145	2145	1515
Oil Age	hrs	Client Info		1515	630	500
Filter Age	hrs	Client Info		0	0	500
Oil Changed		Client Info		Not Chngd	Not Chngd	Changed
Filter Changed		Client Info		Not Chngd	Changed	N/A
Sample Status				NORMAL	SEVERE	NORMAL

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
Iron	ppm	ASTM D5185m	>20	8	19	14
Chromium	ppm	ASTM D5185m	>10	0	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	<1	<1
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	1	2	1
Lead	ppm	ASTM D5185m	>10	0	<1	0
Copper	ppm	ASTM D5185m	>75	4	5	3
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

CONTAMINATION

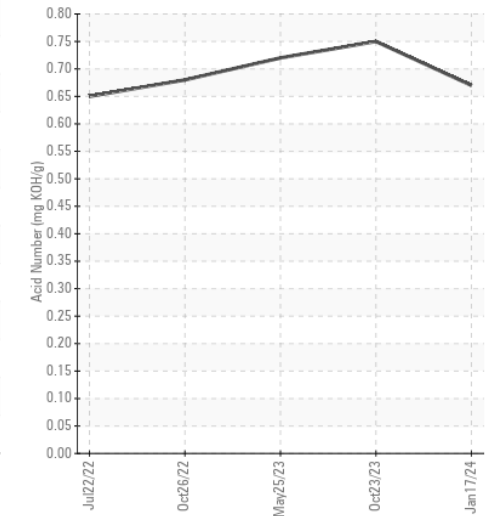
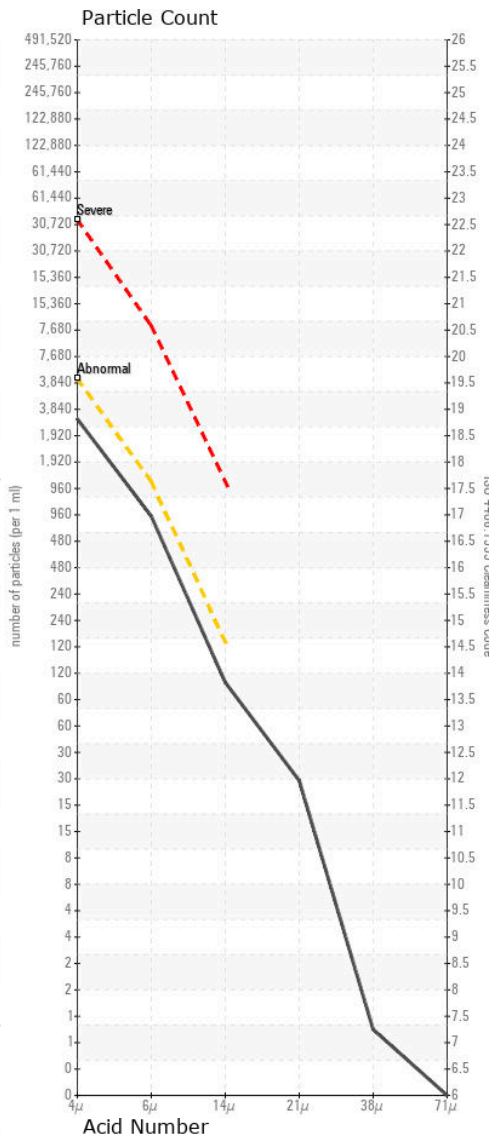
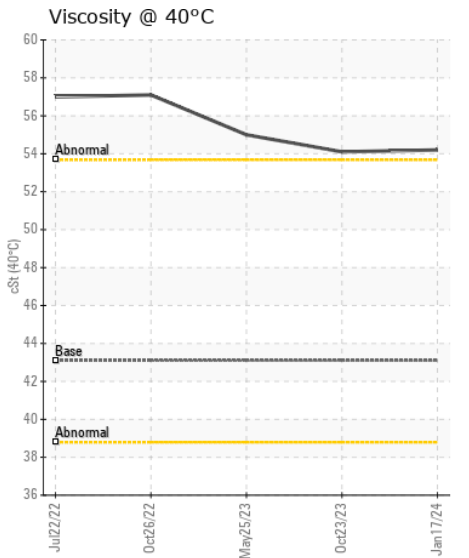
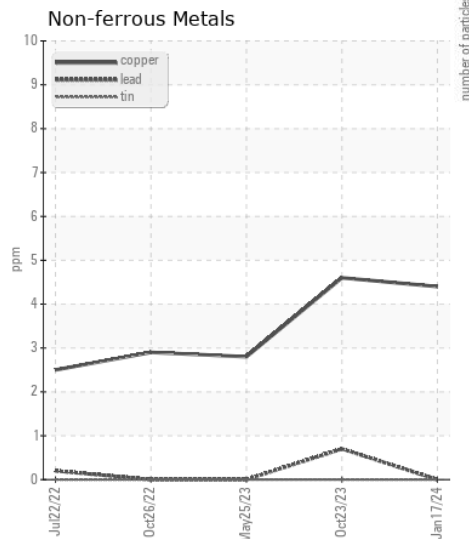
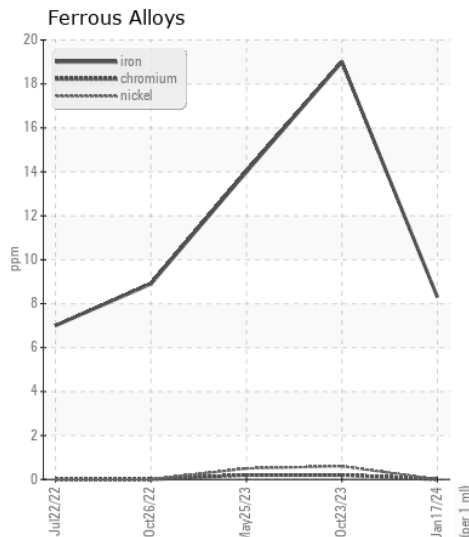
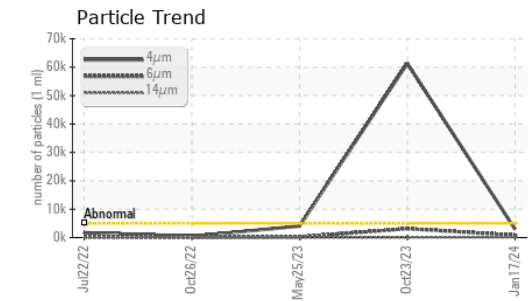
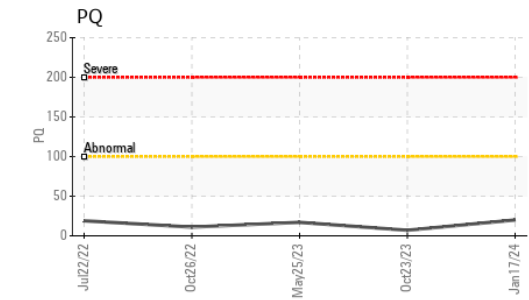
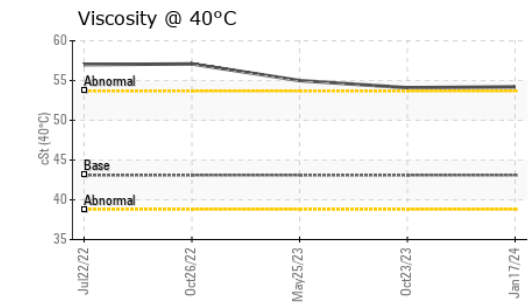
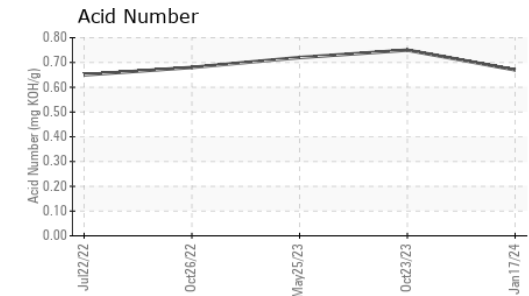
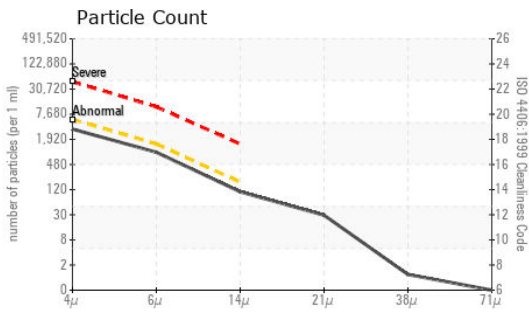
The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>20	8	11	9
Potassium	ppm	ASTM D5185m	>20	0	3	2
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>5000	2950	61325	4053
Particles >6µm		ASTM D7647	>1300	827	3126	198
Particles >14µm		ASTM D7647	>160	94	48	11
Particles >21µm		ASTM D7647	>40	26	12	2
Particles >38µm		ASTM D7647	>10	1	0	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	19/17/14	23/19/13	19/15/11
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	>0.1	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<1	0	2
Boron	ppm	ASTM D5185m		0	0	<1
Barium	ppm	ASTM D5185m		0	3	0
Molybdenum	ppm	ASTM D5185m		0	1	<1
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m		3	3	2
Calcium	ppm	ASTM D5185m		76	89	87
Phosphorus	ppm	ASTM D5185m		583	639	660
Zinc	ppm	ASTM D5185m		751	830	849
Sulfur	ppm	ASTM D5185m		1411	1648	1917
Acid Number (AN)	mg KOH/g	ASTM D8045		0.67	0.75	0.72
Visc @ 40°C	cSt	ASTM D445	43.1	54.2	54.1	55.0



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0198830 **Received** : 19 Jan 2024
Lab Number : 06065507 **Diagnosed** : 23 Jan 2024
Unique Number : 10836889 **Diagnostician** : Don Baldrige
Test Package : CONST (Additional Tests: 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)

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