



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[W66272]
 Machine Id
JOHN DEERE 700K 1T0700KXKHF316028
 Component
Left Final Drive
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (3 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: W66272)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0206654	JR0178428	JR0162671
Sample Date		Client Info		23 Apr 2024	08 Sep 2023	22 May 2023
Machine Age	hrs	Client Info		9954	9553	9004
Oil Age	hrs	Client Info		9325	549	500
Filter Age	hrs	Client Info		0	0	500
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		N/A	N/A	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	42	17	51
Iron	ppm	ASTM D5185m	>750	108	39	107
Chromium	ppm	ASTM D5185m	>9	<1	<1	1
Nickel	ppm	ASTM D5185m	>10	0	<1	<1
Titanium	ppm	ASTM D5185m		<1	<1	2
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	5	<1	18
Lead	ppm	ASTM D5185m	>15	0	63	0
Copper	ppm	ASTM D5185m	>40	0	103	0
Tin	ppm	ASTM D5185m	>10	<1	2	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

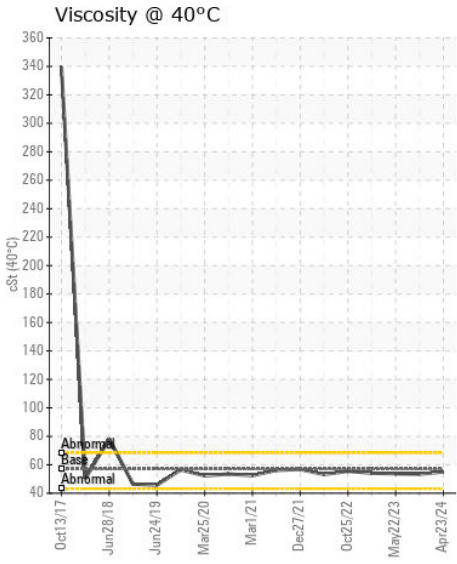
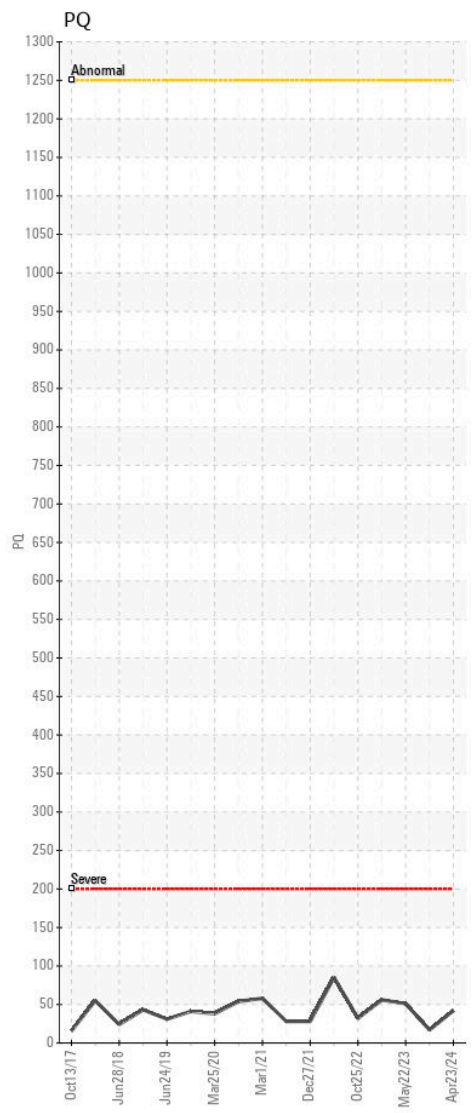
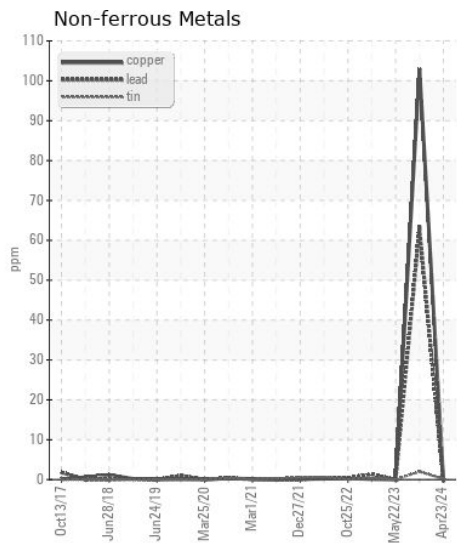
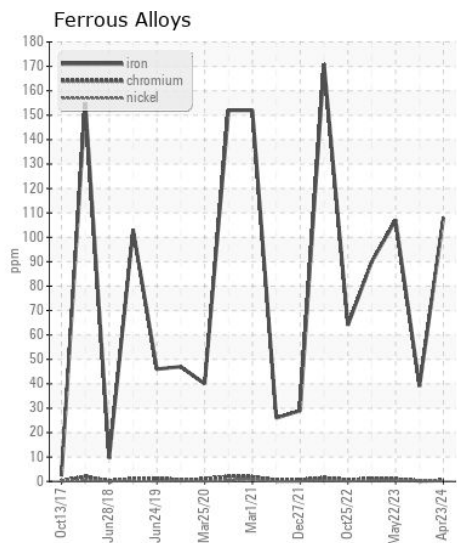
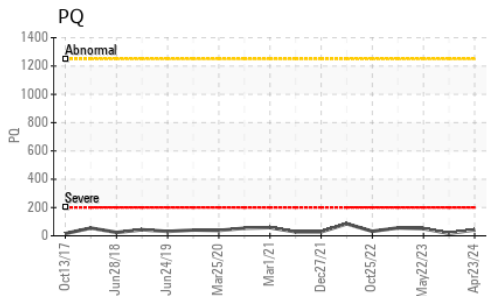
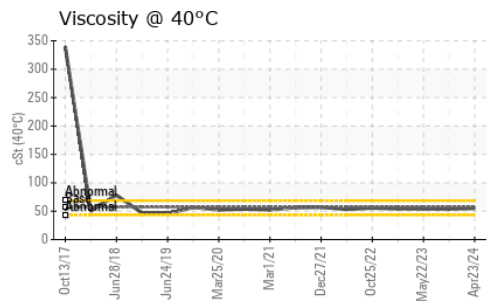
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	17	4	41
Potassium	ppm	ASTM D5185m	>20	0	0	4
Water		WC Method	>0.075	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	>0.075	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	0	3	2
Boron	ppm	ASTM D5185m	6	5	<1	39
Barium	ppm	ASTM D5185m	0	0	<1	0
Molybdenum	ppm	ASTM D5185m	0	1	0	31
Manganese	ppm	ASTM D5185m		<1	<1	1
Magnesium	ppm	ASTM D5185m	145	106	96	184
Calcium	ppm	ASTM D5185m	3570	3475	3461	3172
Phosphorus	ppm	ASTM D5185m	1290	1078	1082	970
Zinc	ppm	ASTM D5185m	1640	1199	1263	1214
Sulfur	ppm	ASTM D5185m		4963	4449	3763
Visc @ 40°C	cSt	ASTM D445	57.0	55.0	53.4	53.7



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0206654 **Received** : 25 Apr 2024
Lab Number : 06160671 **Tested** : 26 Apr 2024
Unique Number : 10996094 **Diagnosed** : 27 Apr 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

JRE - CHARLOTTE
 9550 STATESVILLE ROAD
 CHARLOTTE, NC
 US 28269
 Contact: CHARLOTTE SHOP
 myoung@jamesriverequipment.com
 T: (704)597-0211
 F: (704)596-6198

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)