



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
JOHN DEERE 700K 1T0700KXHKF367447
Component
Right Final Drive
Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0222578	JR0167965	JR0108238
Sample Date		Client Info		26 Jun 2024	23 May 2023	28 Oct 2021
Machine Age	hrs	Client Info		4683	3166	1030
Oil Age	hrs	Client Info		1517	2136	1030
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		None	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	43	15	53
Iron	ppm	ASTM D5185m	>750	86	5	80
Chromium	ppm	ASTM D5185m	>9	2	<1	1
Nickel	ppm	ASTM D5185m	>10	<1	0	<1
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m		<1	0	<1
Aluminum	ppm	ASTM D5185m	>40	9	<1	<1
Lead	ppm	ASTM D5185m	>15	<1	4	<1
Copper	ppm	ASTM D5185m	>40	1	3	<1
Tin	ppm	ASTM D5185m	>10	<1	<1	0
Vanadium	ppm	ASTM D5185m		<1	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

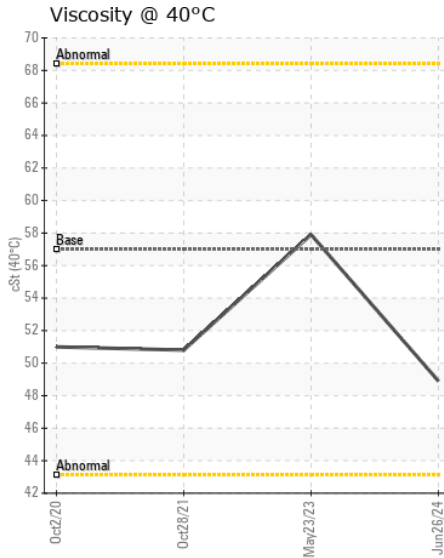
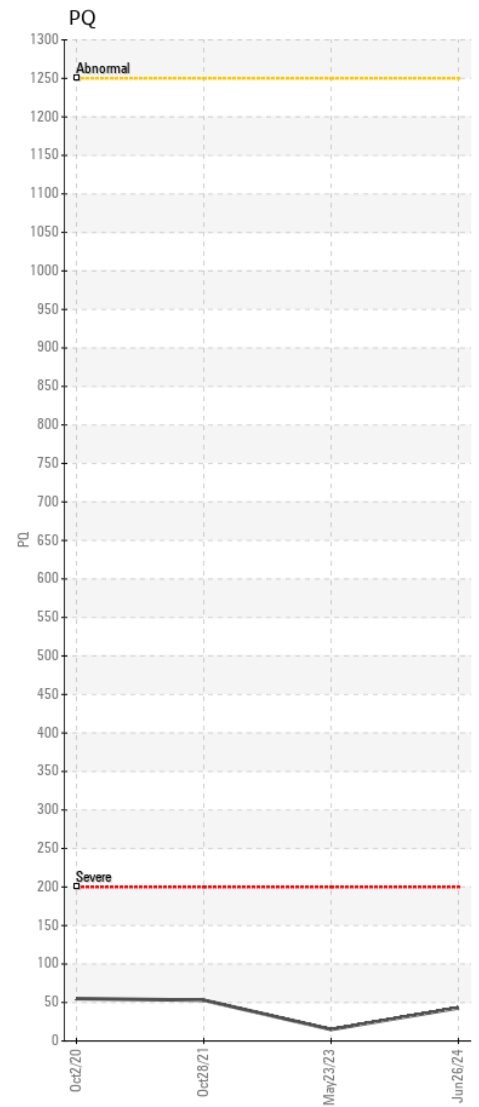
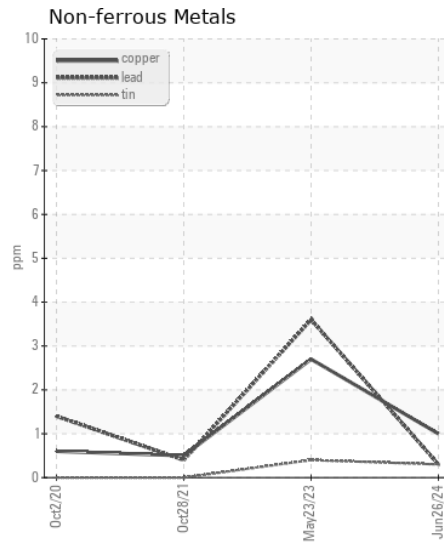
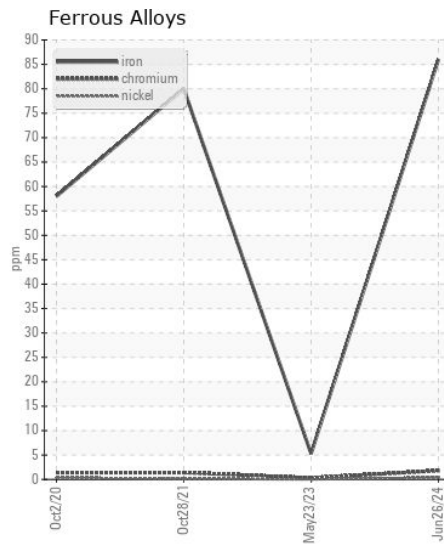
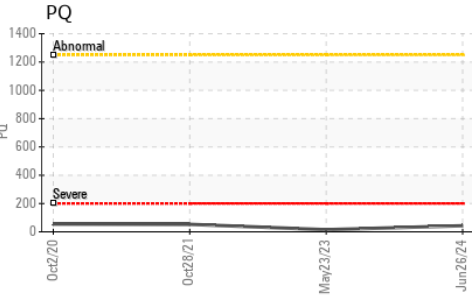
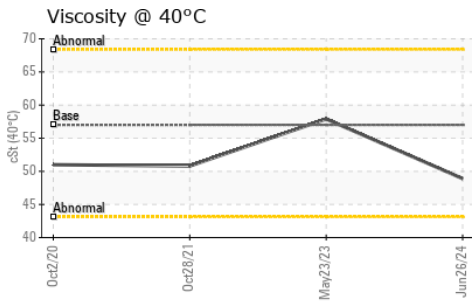
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	23	5	14
Potassium	ppm	ASTM D5185m	>20	4	0	7
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	<1	6
Boron	ppm	ASTM D5185m	6	6	<1	6
Barium	ppm	ASTM D5185m	0	<1	0	0
Molybdenum	ppm	ASTM D5185m	0	2	<1	0
Manganese	ppm	ASTM D5185m		2	<1	3
Magnesium	ppm	ASTM D5185m	145	94	100	106
Calcium	ppm	ASTM D5185m	3570	3313	3491	3996
Phosphorus	ppm	ASTM D5185m	1290	1019	997	1095
Zinc	ppm	ASTM D5185m	1640	1197	1265	1285
Sulfur	ppm	ASTM D5185m		4131	4180	5586
Visc @ 40°C	cSt	ASTM D445	57.0	48.9	57.9	50.8



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0222578 **Received** : 01 Jul 2024
Lab Number : 06225379 **Tested** : 02 Jul 2024
Unique Number : 11103576 **Diagnosed** : 03 Jul 2024 - Don Baldridge
Test Package : CONST (Additional Tests: PQ)

JRE - GARNER
 4161 AUBURN CHURCH RD
 GARNER, NC
 US 27529

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

Contact: RALEIGH SHOP
 sean.betts@jamesriverequipment.com; catherine.anastasio@wearcheck.com

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

T: (919)614-2260

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

F: (919)779-5432