



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
JOHN DEERE 650K 1T0650KXJGF303597
 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		JR0207881	JR0062146	JR0028477
Sample Date		Client Info		09 Apr 2024	10 Sep 2020	28 Oct 2019
Machine Age	hrs	Client Info		3774	2080	1682
Oil Age	hrs	Client Info		0	1000	500
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Not Changd
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	45	37	39
Iron	ppm	ASTM D5185m	>750	81	94	80
Chromium	ppm	ASTM D5185m	>9	2	1	1
Nickel	ppm	ASTM D5185m	>10	0	<1	<1
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	9	0	1
Lead	ppm	ASTM D5185m	>15	0	<1	0
Copper	ppm	ASTM D5185m	>40	2	<1	<1
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

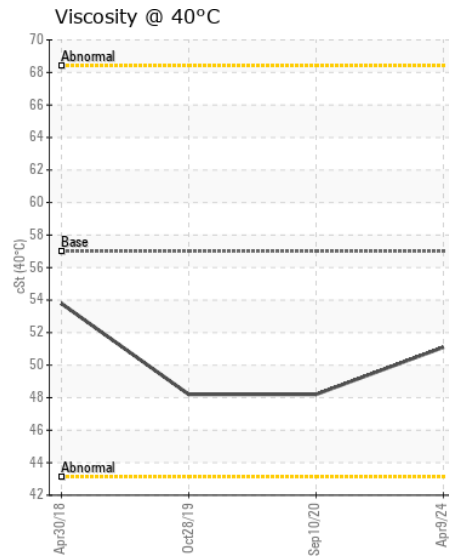
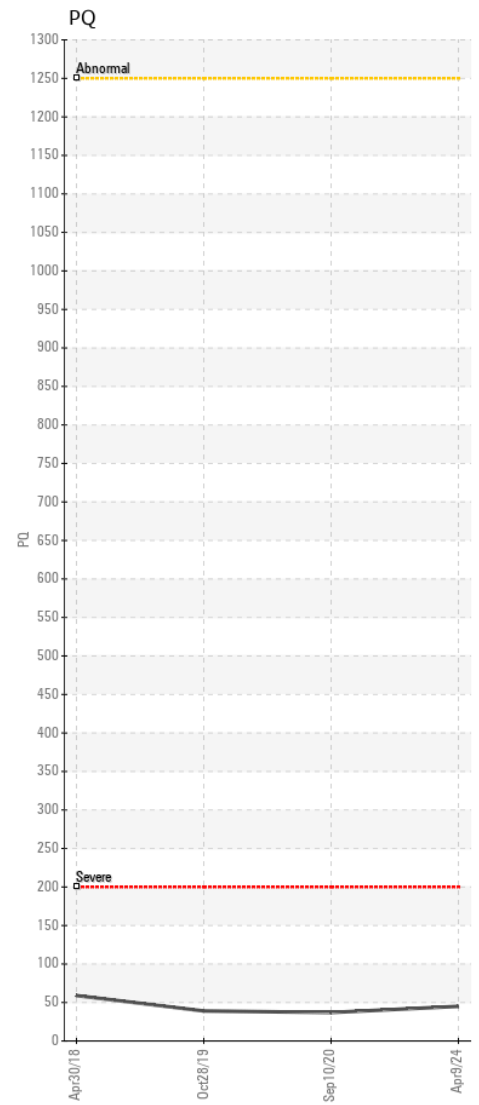
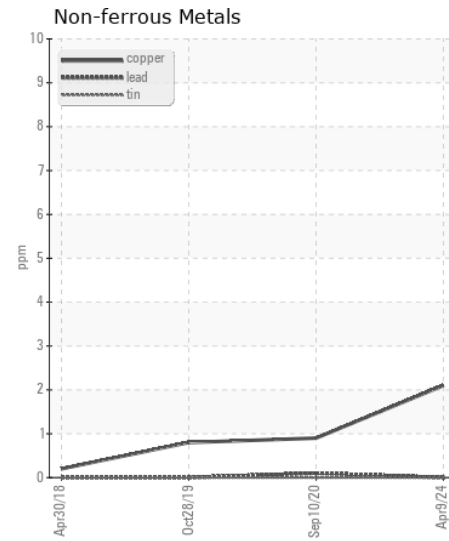
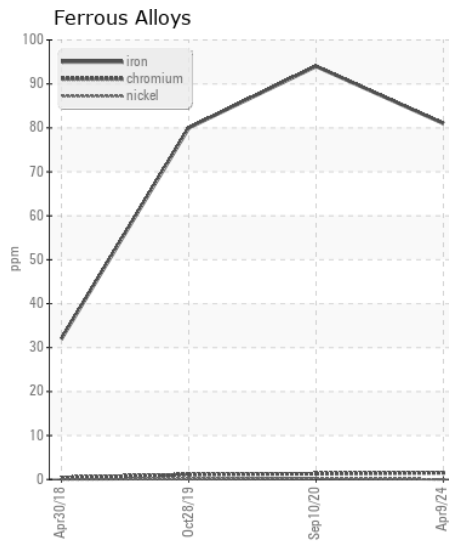
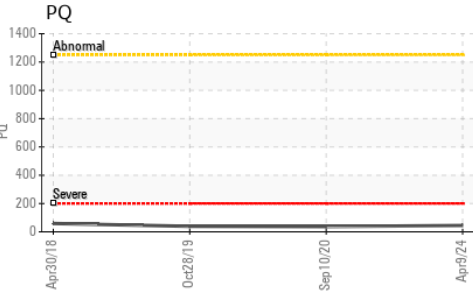
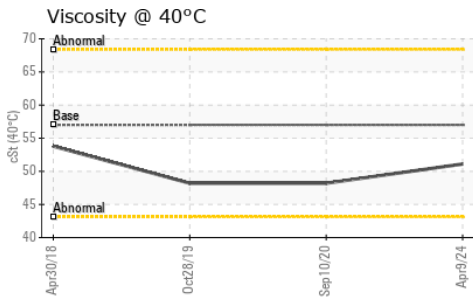
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	14	3	7
Potassium	ppm	ASTM D5185m	>20	2	14	16
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	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	3	6	7
Boron	ppm	ASTM D5185m	6	12	4	1
Barium	ppm	ASTM D5185m	0	<1	3	2
Molybdenum	ppm	ASTM D5185m	0	6	1	<1
Manganese	ppm	ASTM D5185m		2	4	3
Magnesium	ppm	ASTM D5185m	145	124	98	104
Calcium	ppm	ASTM D5185m	3570	3340	3612	3778
Phosphorus	ppm	ASTM D5185m	1290	1046	1061	1061
Zinc	ppm	ASTM D5185m	1640	1247	1258	1328
Sulfur	ppm	ASTM D5185m		4084	3240	3234
Visc @ 40°C	cSt	ASTM D445	57.0	51.1	48.2	48.2



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0207881 **Received** : 12 Apr 2024
Lab Number : 06147599 **Tested** : 15 Apr 2024
Unique Number : 10977677 **Diagnosed** : 15 Apr 2024 - Wes Davis
Test Package : CONST (Additional Tests: PQ)

JRE - ASHEVILLE
 101 BRUCE DRIVE
 ASHEVILLE, NC
 US 28806

Contact: Randy Warren
 randy.warren@jamesriverequipment.com

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)

T: (528)667-0176
 F: (828)667-4865