



WEAR	SEVERE
CONTAMINATION	SEVERE
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 750K 1T0750KXVLF368015
 Component
Right Outer Final Drive
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (14 QTS)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

WEAR

Gear wear is indicated.

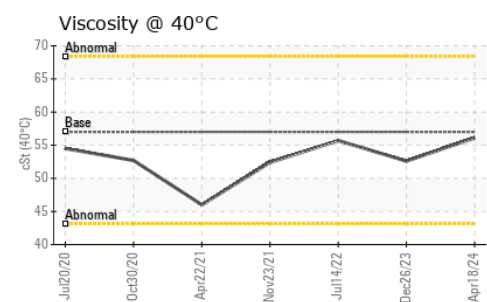
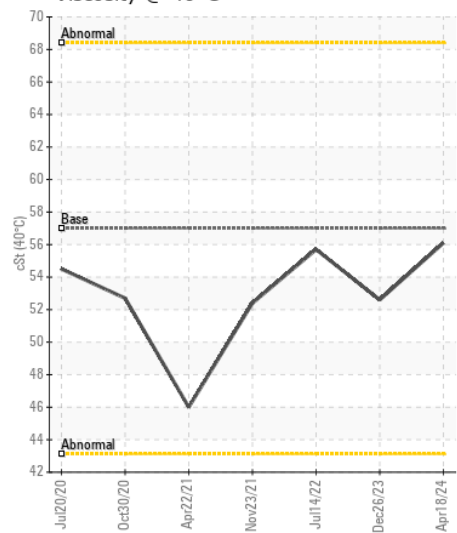
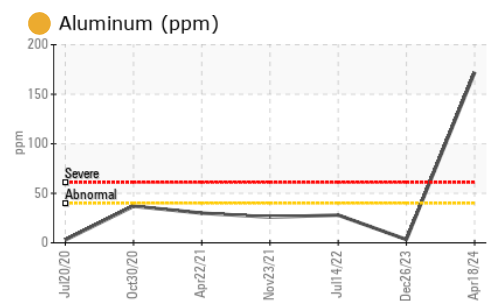
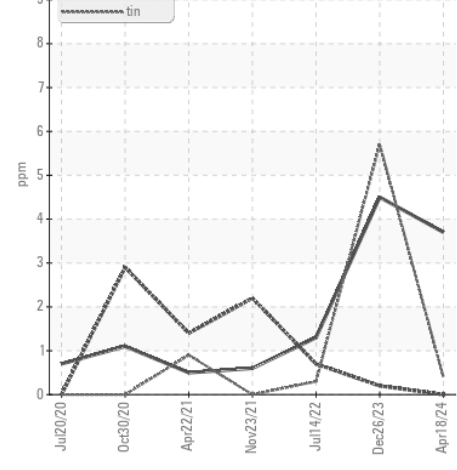
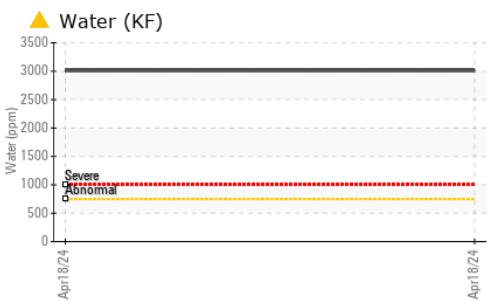
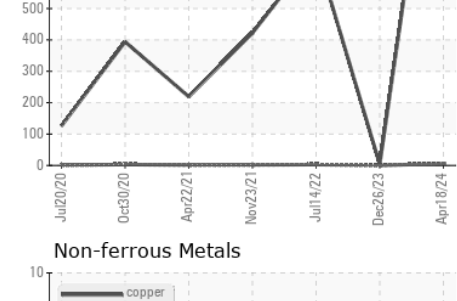
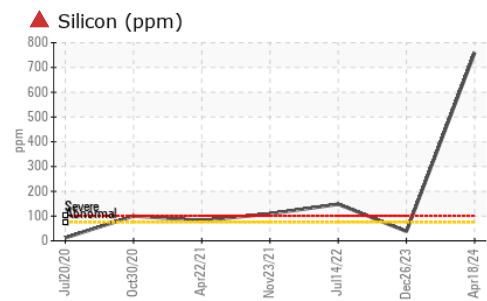
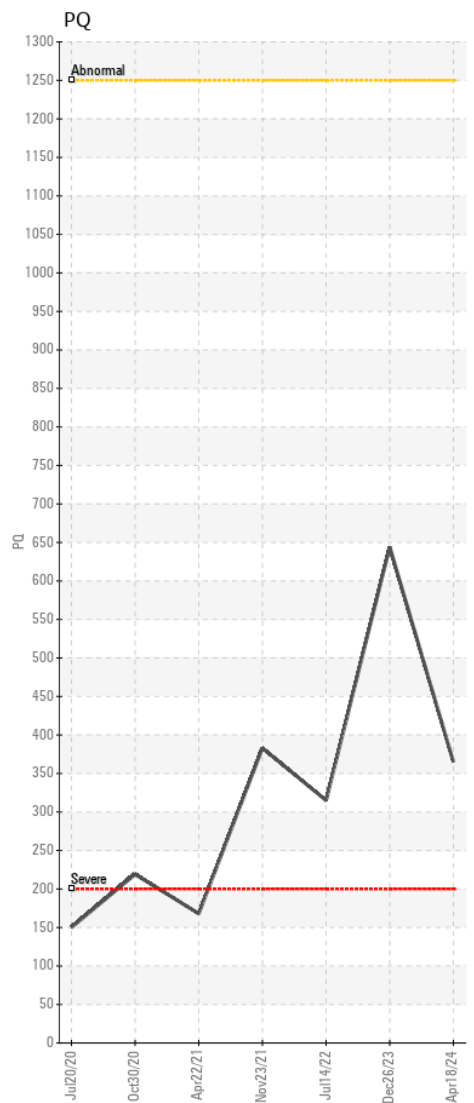
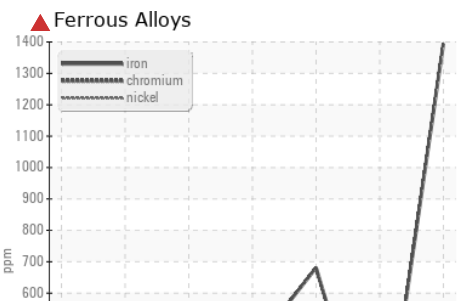
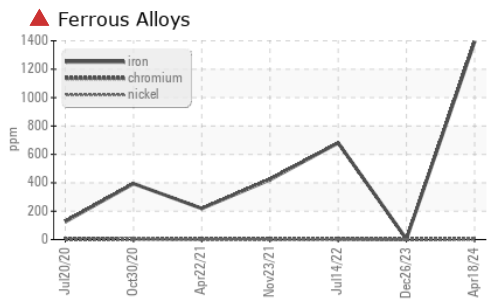
CONTAMINATION

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. There is a light concentration of water present in the oil.

FLUID CONDITION

The oil is no longer serviceable due to the presence of contaminants.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0213007	JR0197705	JR0133213
Sample Date		Client Info		18 Apr 2024	26 Dec 2023	14 Jul 2022
Machine Age	hrs	Client Info		5965	5514	3615
Oil Age	hrs	Client Info		4307	5514	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Not Changd
Filter Changed		Client Info		N/A	Changed	N/A
Sample Status				SEVERE	NORMAL	ABNORMAL
PQ		ASTM D8184	>1250	365	644	315
Iron	ppm	ASTM D5185m	>750	▲ 1394	4	681
Chromium	ppm	ASTM D5185m	>9	6	<1	3
Nickel	ppm	ASTM D5185m	>10	5	0	4
Titanium	ppm	ASTM D5185m		8	0	2
Silver	ppm	ASTM D5185m		0	0	1
Aluminum	ppm	ASTM D5185m	>40	● 172	3	● 28
Lead	ppm	ASTM D5185m	>15	0	<1	<1
Copper	ppm	ASTM D5185m	>40	4	4	1
Tin	ppm	ASTM D5185m	>10	<1	6	<1
Vanadium	ppm	ASTM D5185m		<1	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	▲ 759	38	▲ 148
Potassium	ppm	ASTM D5185m	>20	52	0	4
Water	%	ASTM D6304	>0.075	▲ 0.301	---	---
ppm Water	ppm	ASTM D6304	>750	▲ 3010	---	---
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	▲ 0.2%	NEG	NEG
Sodium	ppm	ASTM D5185m	>51	16	2	<1
Boron	ppm	ASTM D5185m	6	<1	3	0
Barium	ppm	ASTM D5185m	0	3	0	4
Molybdenum	ppm	ASTM D5185m	0	1	0	2
Manganese	ppm	ASTM D5185m		13	<1	5
Magnesium	ppm	ASTM D5185m	145	106	11	103
Calcium	ppm	ASTM D5185m	3570	3435	2308	3519
Phosphorus	ppm	ASTM D5185m	1290	1024	414	975
Zinc	ppm	ASTM D5185m	1640	1200	501	1233
Sulfur	ppm	ASTM D5185m		3939	2451	3956
Visc @ 40°C	cSt	ASTM D445	57.0	56.1	52.6	55.7



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0213007
Lab Number : 06156239
Unique Number : 10991662
Test Package : CONST (Additional Tests: KF, PQ)
Received : 22 Apr 2024
Tested : 24 Apr 2024
Diagnosed : 24 Apr 2024 - Sean Felton

JRE - GARNER
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Certificate L2367
 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)