



Machine Id
JOHN DEERE 750K 1T0750KXHDE250610
 Component
Left Outer Final Drive
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- GAL)

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. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0087905	JR0029889	JRMC438712
Sample Date		Client Info		06 Aug 2021	14 Jan 2020	29 Mar 2018
Machine Age	hrs	Client Info		5948	5174	4431
Oil Age	hrs	Client Info		0	0	431
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				ATTENTION	ATTENTION	ABNORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	491	465	67
Iron	ppm	ASTM D5185m	>750	322	349	151
Chromium	ppm	ASTM D5185m	>9	4	5	3
Nickel	ppm	ASTM D5185m		2	5	2
Titanium	ppm	ASTM D5185m		2	4	1
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>40	29	66	31
Lead	ppm	ASTM D5185m	>15	<1	0	<1
Copper	ppm	ASTM D5185m	>40	<1	1	<1
Tin	ppm	ASTM D5185m		0	0	0
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

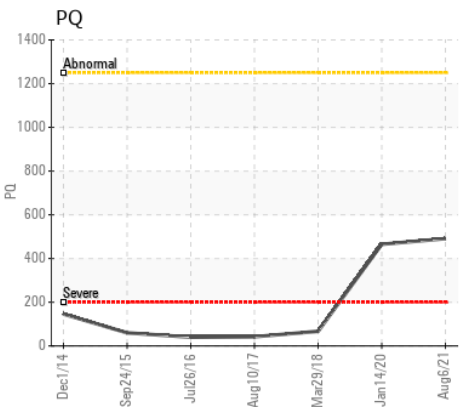
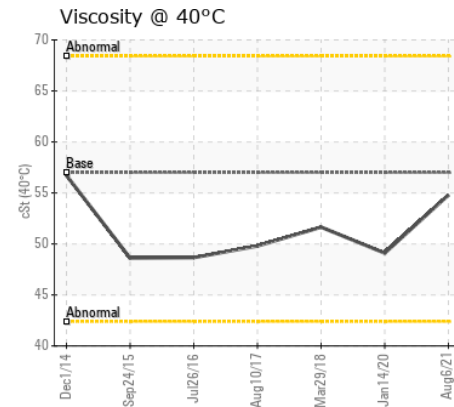
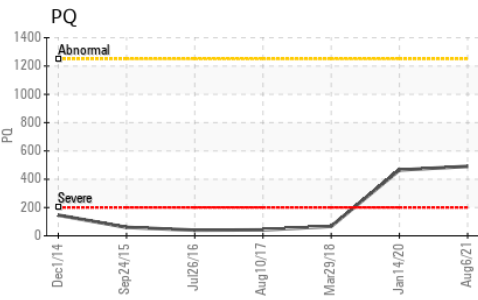
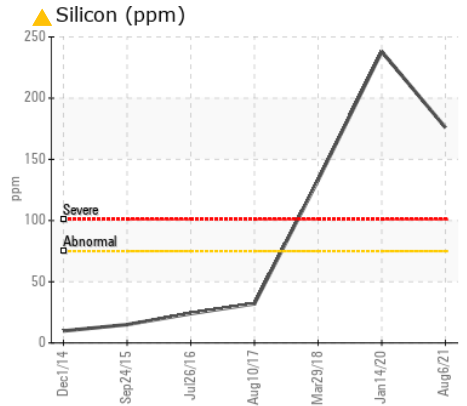
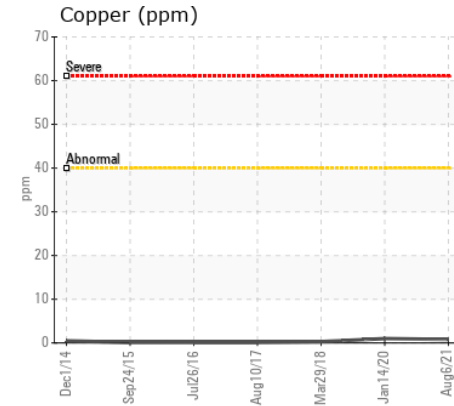
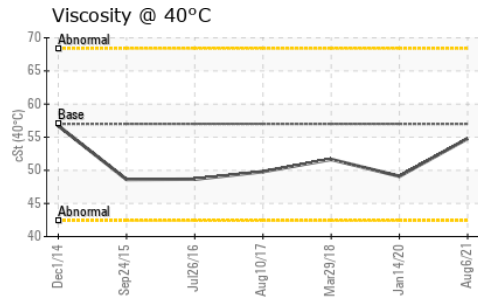
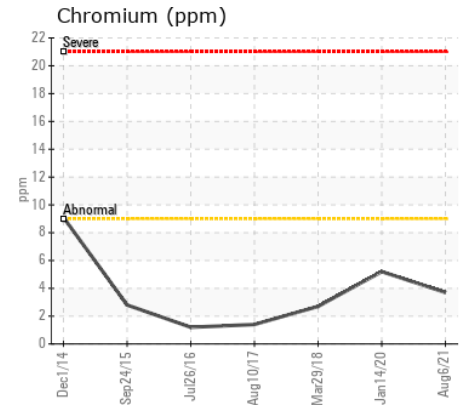
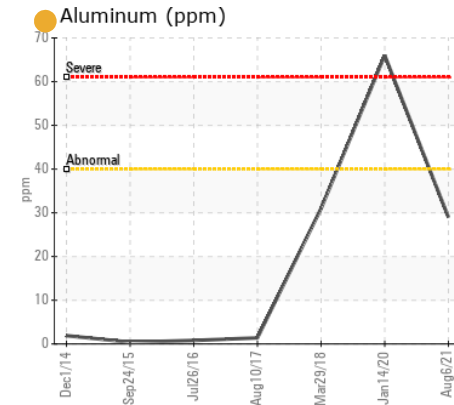
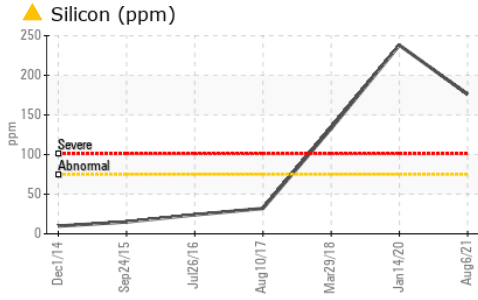
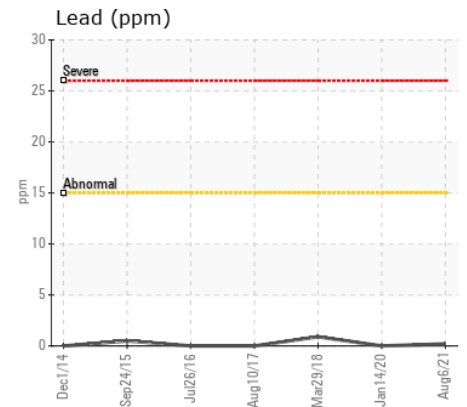
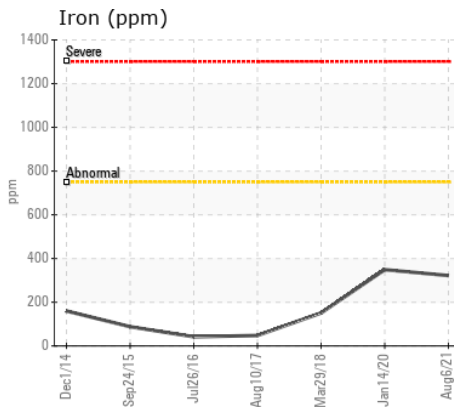
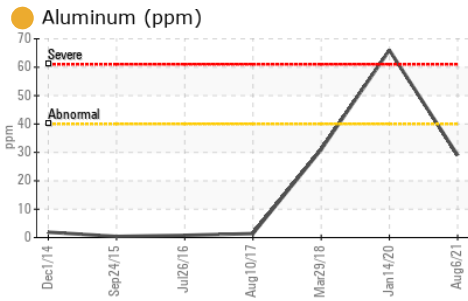
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m	>75	176	238	133
Potassium	ppm	ASTM D5185m	>20	7	12	10
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	LIGHT	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	<1	4	3
Boron	ppm	ASTM D5185m	6	5	4	1
Barium	ppm	ASTM D5185m	0	<1	<1	0
Molybdenum	ppm	ASTM D5185m	0	<1	0	0
Manganese	ppm	ASTM D5185m		3	4	2
Magnesium	ppm	ASTM D5185m	145	127	92	112
Calcium	ppm	ASTM D5185m	3570	4229	3404	3718
Phosphorus	ppm	ASTM D5185m	1290	1230	977	1138
Zinc	ppm	ASTM D5185m	1640	1570	1181	1202
Sulfur	ppm	ASTM D5185m		3676	2907	3407
Visc @ 40°C	cSt	ASTM D445	57.0	54.8	49.1	51.65



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0087905 **Received** : 11 Aug 2021
Lab Number : 05324959 **Tested** : 16 Aug 2021
Unique Number : 9618956 **Diagnosed** : 19 Aug 2021 - Doug Bogart
Test Package : MOBCE (Additional Tests: PQ)

JRE - ASHLAND
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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)