



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[W8026]
 Machine Id
JOHN DEERE 944K 1DW944KXAML703645
 Component
Front Right Final Drive
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. (Customer Sample Comment: W8026)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0183345	JR0163393	JR0156436
Sample Date		Client Info		02 Nov 2023	29 Mar 2023	23 Jan 2023
Machine Age	hrs	Client Info		4116	2545	2110
Oil Age	hrs	Client Info		3205	435	2110
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		Changed	Not Changd	Changed
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL

WEAR

Bearing and/or bushing wear is indicated.

PQ		ASTM D8184	>1250	9	13	12
Iron	ppm	ASTM D5185m	>750	32	22	19
Chromium	ppm	ASTM D5185m	>9	<1	<1	<1
Nickel	ppm	ASTM D5185m	>10	<1	<1	0
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>40	2	2	<1
Lead	ppm	ASTM D5185m	>15	<1	<1	<1
Copper	ppm	ASTM D5185m	>40	▲ 236	▲ 113	▲ 123
Tin	ppm	ASTM D5185m	>10	0	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

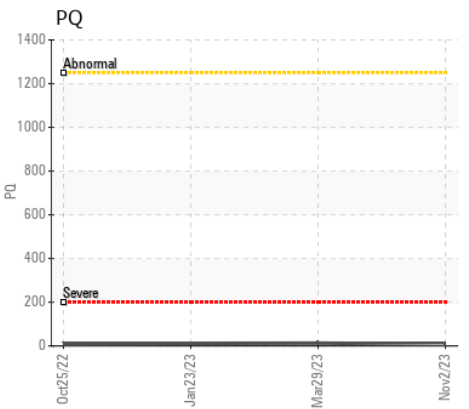
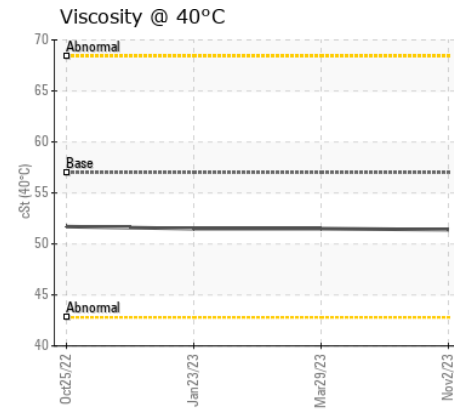
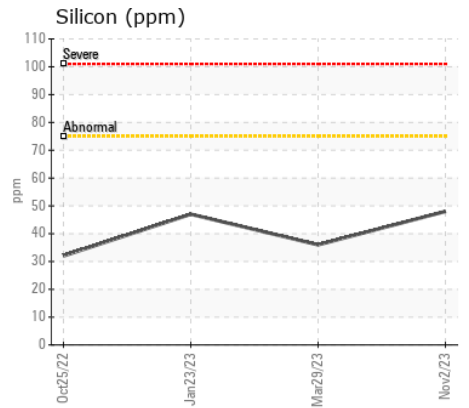
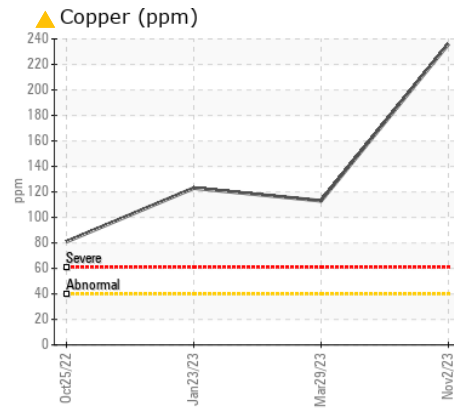
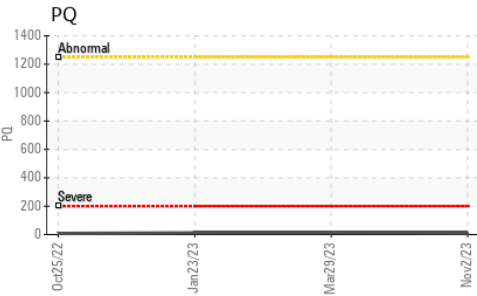
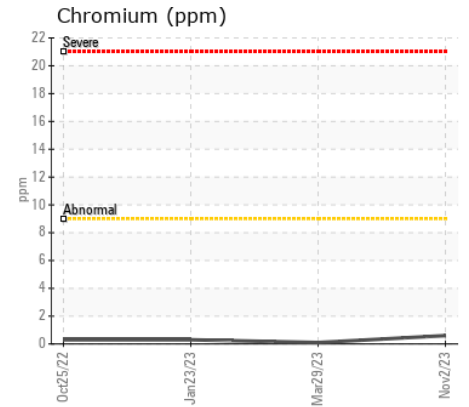
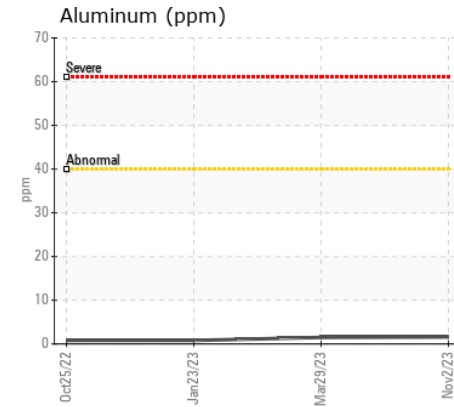
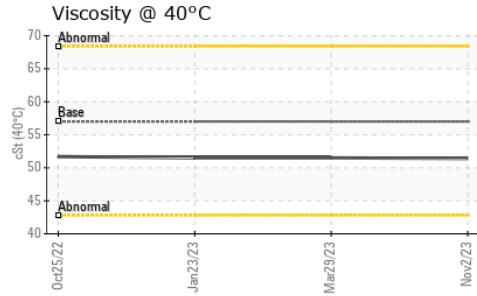
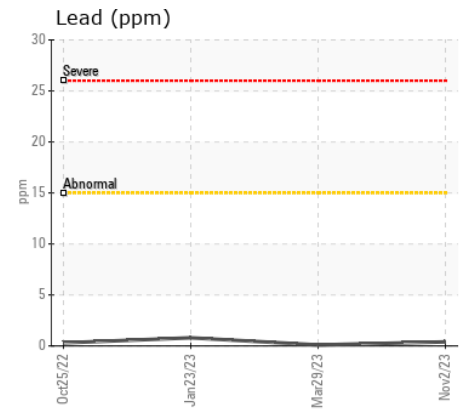
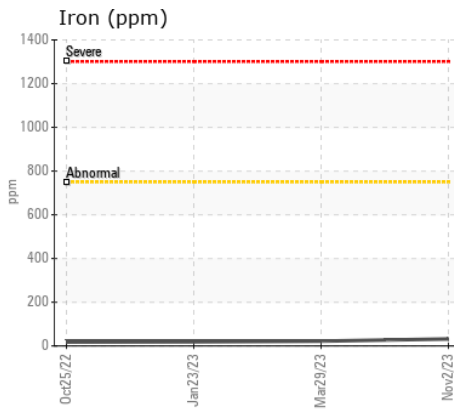
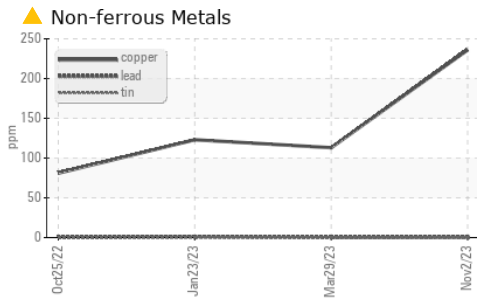
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	48	36	47
Potassium	ppm	ASTM D5185m	>20	2	1	0
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	<1	0	4
Boron	ppm	ASTM D5185m	6	6	2	5
Barium	ppm	ASTM D5185m	0	6	0	3
Molybdenum	ppm	ASTM D5185m	0	<1	<1	<1
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	145	94	90	84
Calcium	ppm	ASTM D5185m	3570	3303	3376	3115
Phosphorus	ppm	ASTM D5185m	1290	1072	1002	903
Zinc	ppm	ASTM D5185m	1640	1203	1154	1123
Sulfur	ppm	ASTM D5185m		4306	3474	3718
Visc @ 40°C	cSt	ASTM D445	57.0	51.4	51.5	51.5



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0183345 **Received** : 06 Nov 2023
Lab Number : 05999285 **Diagnosed** : 07 Nov 2023
Unique Number : 10727645 **Diagnostician** : Don Baldrige
Test Package : MOBCE (Additional Tests: PQ)

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)

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