



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
Store 9 - Marietta
Machine Id
JOHN DEERE 700K DOZER 30-003 (S/N 1T0700KXVHF317202)
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		LEC0020144	LECP177470	LEC0010835
Sample Date		Client Info		27 Jan 2024	22 Nov 2019	20 Jan 2005
Machine Age	hrs	Client Info		4028	1500	0
Oil Age	hrs	Client Info		250	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	N/A	N/A
Filter Changed		Client Info		Changed	N/A	N/A
Sample Status				NORMAL	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	45	70	153
Iron	ppm	ASTM D5185m	>750	116	403	569
Chromium	ppm	ASTM D5185m	>9	2	5	7
Nickel	ppm	ASTM D5185m	>10	0	2	2
Titanium	ppm	ASTM D5185m		<1	2	4
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	2	▲ 69	▲ 83
Lead	ppm	ASTM D5185m	>15	0	<1	0
Copper	ppm	ASTM D5185m	>40	<1	<1	1
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

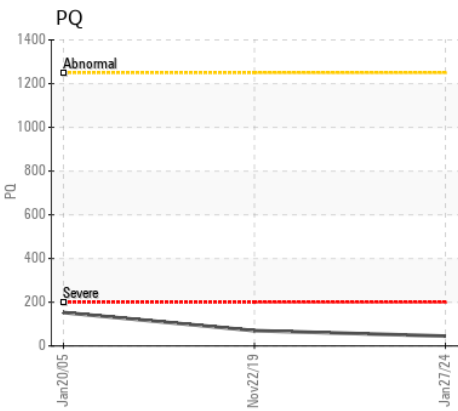
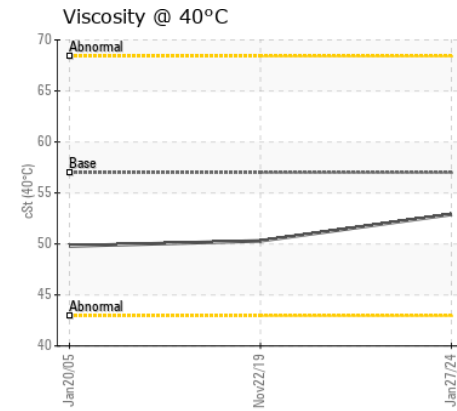
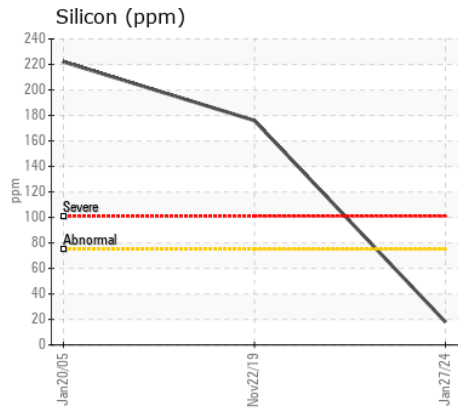
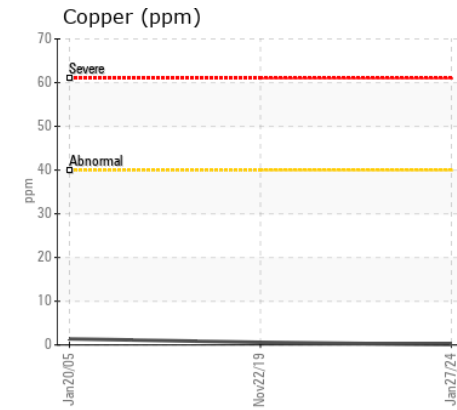
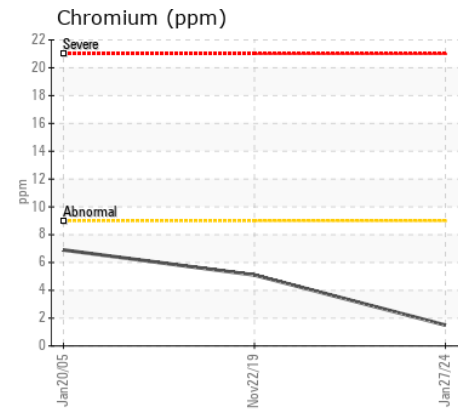
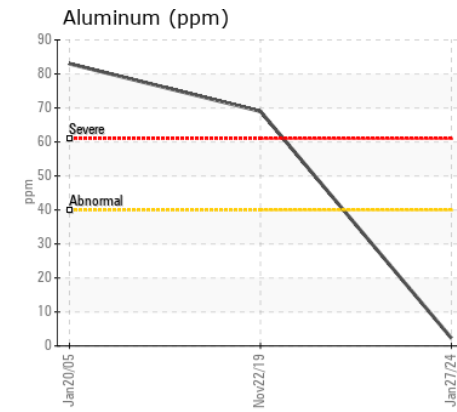
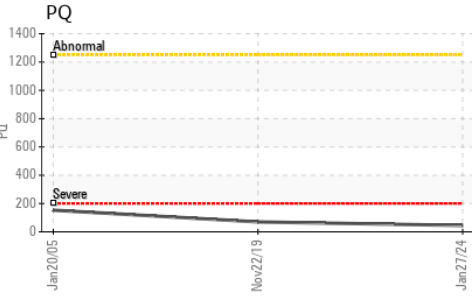
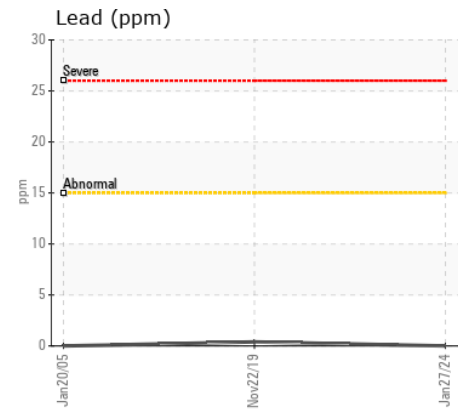
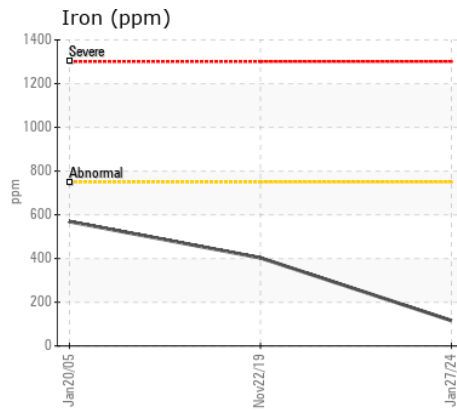
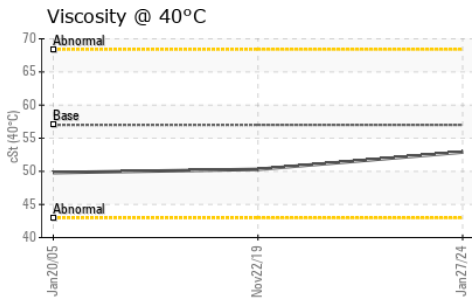
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	18	▲ 176	▲ 222
Potassium	ppm	ASTM D5185m	>20	3	31	33
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	6	9
Boron	ppm	ASTM D5185m	6	0	2	2
Barium	ppm	ASTM D5185m	0	0	0	<1
Molybdenum	ppm	ASTM D5185m	0	<1	0	0
Manganese	ppm	ASTM D5185m		<1	9	11
Magnesium	ppm	ASTM D5185m	145	95	89	101
Calcium	ppm	ASTM D5185m	3570	3190	3315	3623
Phosphorus	ppm	ASTM D5185m	1290	963	913	1022
Zinc	ppm	ASTM D5185m	1640	1114	1174	1230
Sulfur	ppm	ASTM D5185m		3368	2906	2917
Visc @ 40°C	cSt	ASTM D445	57.0	52.9	50.3	49.8



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0020144 **Received** : 08 Feb 2024
Lab Number : 06083891 **Tested** : 09 Feb 2024
Unique Number : 10871336 **Diagnosed** : 11 Feb 2024 - 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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