



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
Left 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		LEC0020142	LEC0010835	LECP177473
Sample Date		Client Info		27 Jan 2024	10 Jul 2020	22 Nov 2019
Machine Age	hrs	Client Info		4028	0	1500
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	46	128	80
Iron	ppm	ASTM D5185m	>750	84	435	333
Chromium	ppm	ASTM D5185m	>9	<1	7	6
Nickel	ppm	ASTM D5185m	>10	0	1	1
Titanium	ppm	ASTM D5185m		0	3	1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	2	▲ 44	▲ 39
Lead	ppm	ASTM D5185m	>15	0	0	0
Copper	ppm	ASTM D5185m	>40	<1	1	<1
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	LIGHT	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

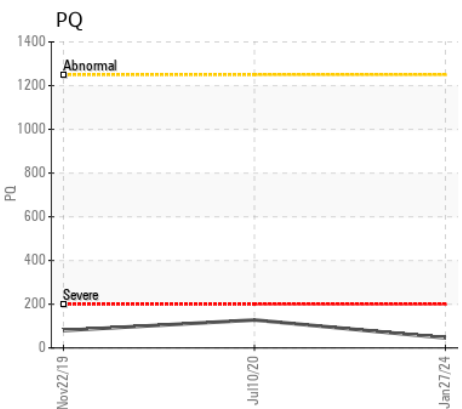
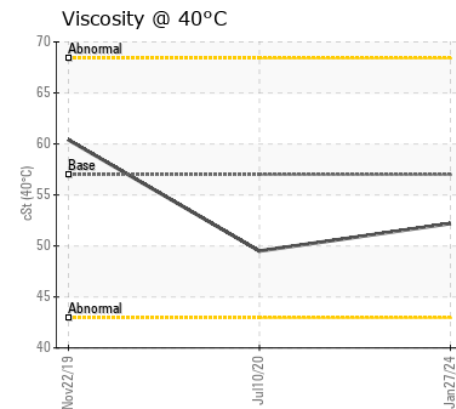
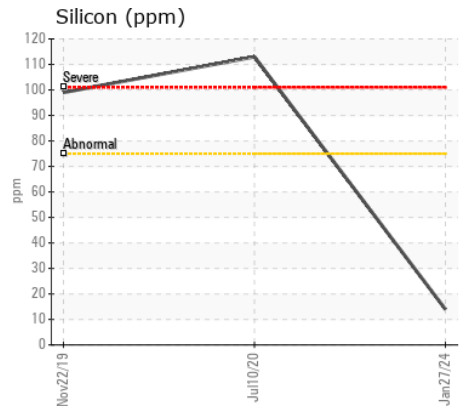
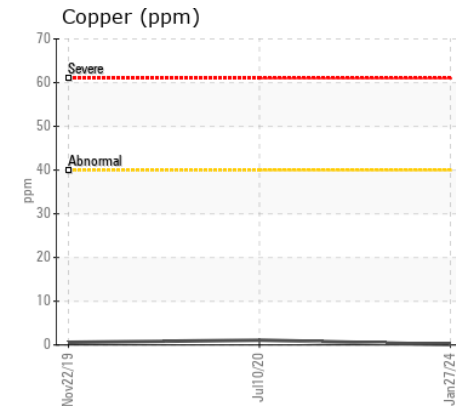
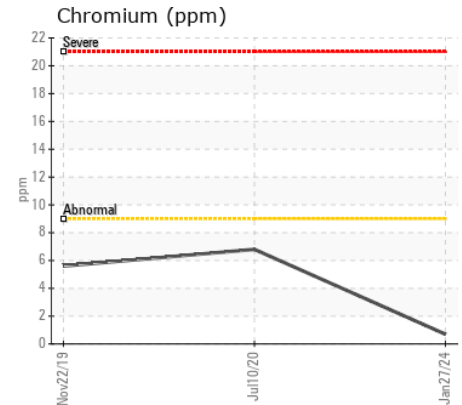
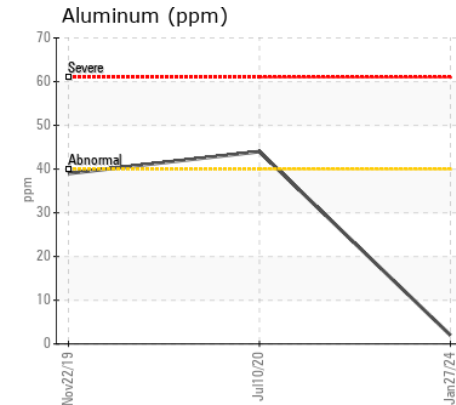
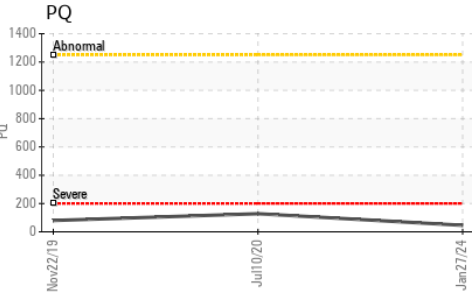
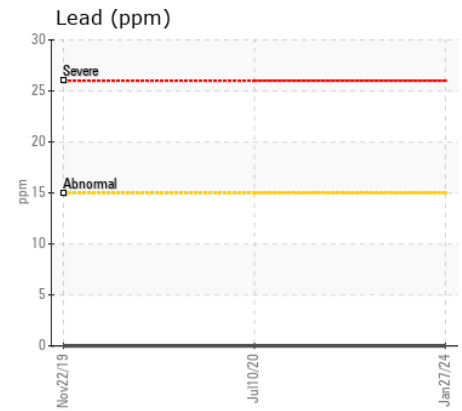
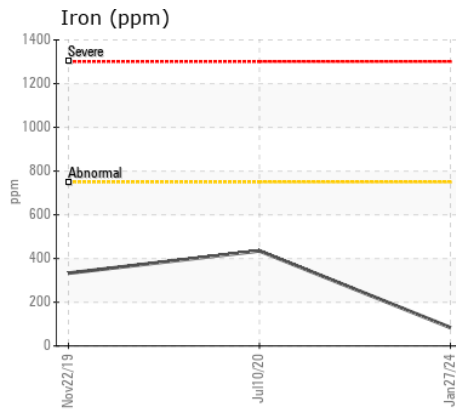
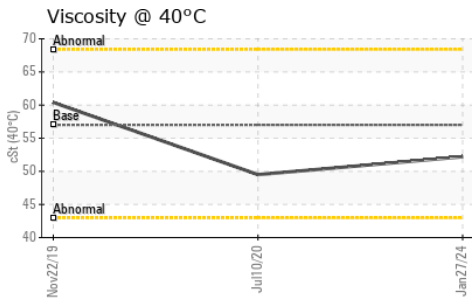
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	14	▲ 113	▲ 99
Potassium	ppm	ASTM D5185m	>20	2	30	23
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	7	5
Boron	ppm	ASTM D5185m	6	0	2	1
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	1	1
Manganese	ppm	ASTM D5185m		<1	9	7
Magnesium	ppm	ASTM D5185m	145	98	98	90
Calcium	ppm	ASTM D5185m	3570	3294	3626	3345
Phosphorus	ppm	ASTM D5185m	1290	1016	1030	922
Zinc	ppm	ASTM D5185m	1640	1177	1249	1186
Sulfur	ppm	ASTM D5185m		3636	2982	2944
Visc @ 40°C	cSt	ASTM D445	57.0	52.2	49.5	60.4



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0020142 **Received** : 08 Feb 2024
Lab Number : 06083890 **Tested** : 09 Feb 2024
Unique Number : 10871335 **Diagnosed** : 11 Feb 2024 - Don Baldrige
Test Package : MOBCE (Additional Tests: PQ)

HAYDEN EXCAVATING
 PO BOX 766
 WAYNESBURG, PA
 US 15370
 Contact: ROBBIE
 rts2577@yahoo.com
 T:
 F:

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)